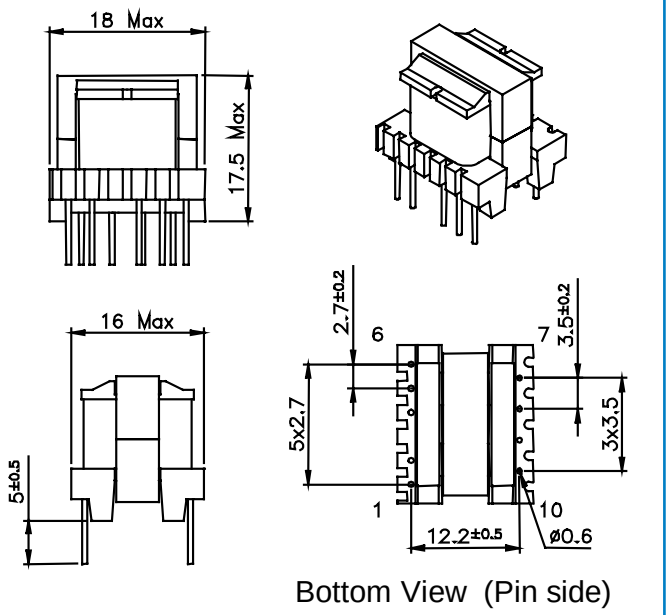
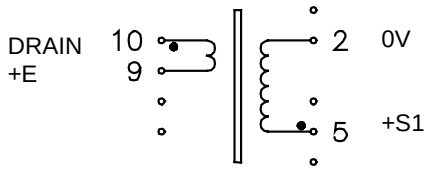
SIZE E16 • SINGLE OUTPUT : 5 or 12v

- **Primary / Secondary Insulation ≥ 4000V**
- **Creepage distance Primary / Secondary ≥ 6mm**
- **Ambient temperature < 85°C**
- **Construction conforms to IEC950, IEC335, IEC61558 for reinforced insulation**
- **Exclusively uses UL94-V0 listed materials**



Bottom View (Pin side)



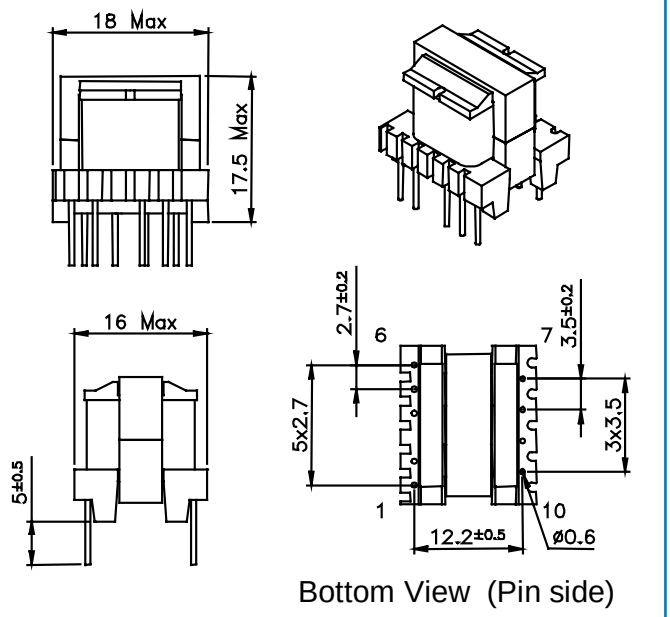
Pin 3 Removed
PCB Drilling Diameter = 1.1mm

MYRRA P / N	Output Power maximum	Windings					
			Pins	Turns	Voltage	Current maximum	Inductance (+/-10%)
74090	1.5 w	Pri	10 – 9	228	50 – 95 (VOR)	0.28 Apeak	6000µH
		S1	5 – 2	16	3.3 – 6 Vdc	0.4 Adc	
74091	1.5 w	Pri	10 – 9	228	65 – 130 (VOR)	0.28 Apeak	6000µH
		S1	5 – 2	28	7.5 – 15 Vdc	0.2 Adc	

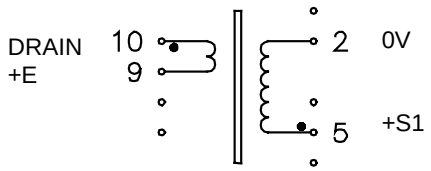
Examples of application with Integrated Circuits :

MYRRA P / N	Control IC Manufacturer	Control IC P / N	Input voltage	Power	Frequency
74090	Power Integrations	TNY253	85 - 265Vrms	1.5w	44kHz
74091	Power Integrations	TNY253	85 - 265Vrms	1.5w	44kHz

- **Primary / Secondary Insulation ≥ 4000V**
- **Creepage distance Primary / Secondary ≥ 6mm**
- **Ambient temperature < 70°C**
- **Construction conforms to IEC950, IEC335, IEC61558 for reinforced insulation**
- **Exclusively uses UL94-V0 listed materials**



Bottom View (Pin side)



Pin 3 Removed
PCB Drilling Diameter = 1.1mm

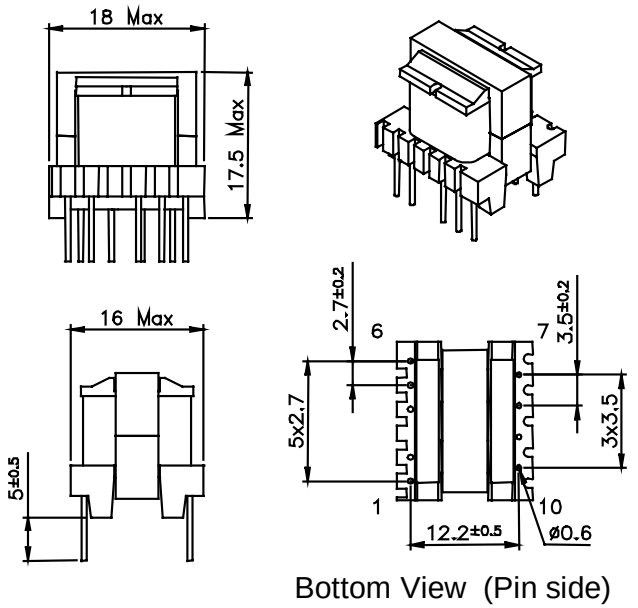
MYRRA P / N	Output Power maximum	Windings					
			Pins	Turns	Voltage	Current maximum	Inductance (+/-10%)
74092	3.1 w	Pri	10 – 9	191	55 – 100 (VOR)	0.34 Apeak	4200µH
		S1	5 – 2	13	3.3 – 6 Vdc	0.9 Adc	
74093	3.1 w	Pri	10 – 9	191	65 – 125 (VOR)	0.34 Apeak	4200µH
		S1	5 – 2	24	7.5 – 15 Vdc	0.4 Adc	

Examples of application with Integrated Circuits :

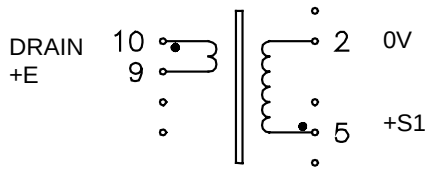
MYRRA P / N	Control IC Manufacturer	Control IC P / N	Input voltage	Power	Frequency
74092	Power Integrations	TNY254	85 - 265Vrms	3.1w	44kHz
74093	Power Integrations	TNY254	85 - 265Vrms	3.1w	44kHz

SIZE E16 • SINGLE OUTPUT : 5 or 12v

- **Primary / Secondary Insulation ≥ 4000V**
- **Creepage distance Primary / Secondary ≥ 6mm**
- **Ambient temperature < 60°C**
- **Construction conforms to IEC950, IEC335, IEC61558 for reinforced insulation**
- **Exclusively uses UL94-V0 listed materials**



Bottom View (Pin side)



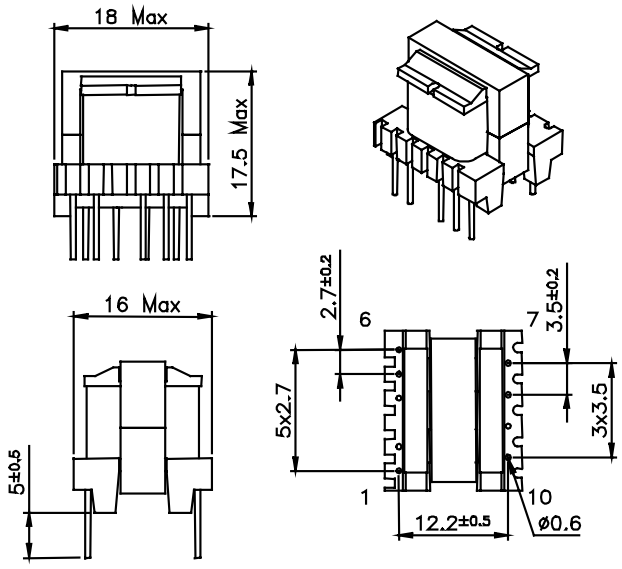
Pin 3 Removed
PCB Drilling Diameter = 1.1mm

MYRRA P / N	Output Power maximum	Windings					
			Pins	Turns	Voltage	Current maximum	Inductance (+/-10%)
74094	9 w	Pri	10 – 9	135	55 – 100 (VOR)	0.48 Apeak	2100µH
		S1	5 – 2	9	3.3 – 6 Vdc	1.5 Adc	
74095	9 w	Pri	10 – 9	135	65 – 125 (VOR)	0.48 Apeak	2100µH
		S1	5 – 2	17	7.5 – 15 Vdc	0.9 Adc	

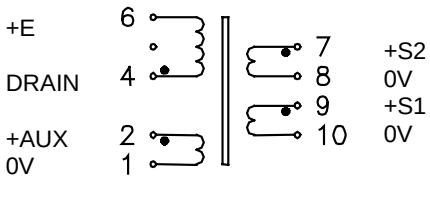
Examples of application with Integrated Circuits :

MYRRA P / N	Control IC Manufacturer	Control IC P / N	Input voltage	Power	Frequency
74094	Power Integrations	TNY255	85 - 265Vrms	4.2w	44kHz
	Power Integrations	TNY264	85 - 265Vrms	5w	132kHz
	Power Integrations	TNY266	85 - 265Vrms	9w	132kHz
74095	Power Integrations	TNY255	85 - 265Vrms	5w	44kHz
	Power Integrations	TNY264	85 - 265Vrms	5w	132kHz
	Power Integrations	TNY266	85 - 265Vrms	9w	132kHz

- **Primary / Secondary Insulation ≥ 4000V**
- **Primary / Auxiliary Insulation ≥ 1500V**
- **Creepage distance Primary / Secondary ≥ 6mm**
- **Ambient temperature < 70°C**
- **Construction conforms to IEC950, IEC335, IEC61558 for reinforced insulation**
- **Exclusively uses UL94-V0 listed materials**



Bottom View (Pin side)



74000

PIN 3 Removed
PCB Drilling Diameter = 1.1mm

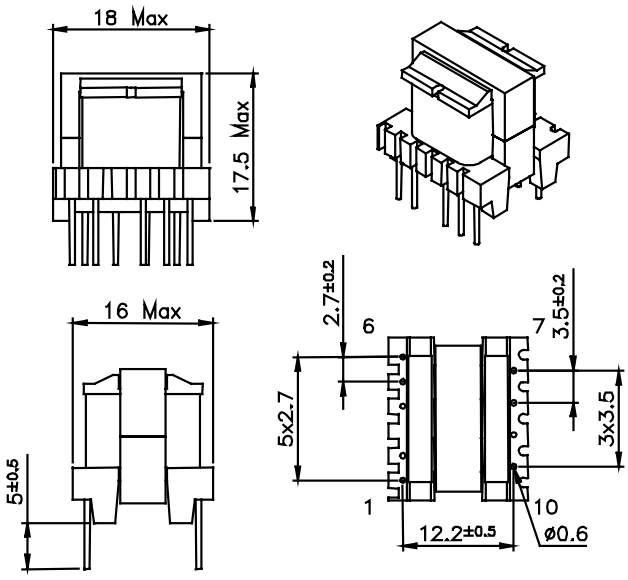
MYRRA P / N	Output Power maximum	Windings					
			Pins	Turns	Voltage	Current maximum	Inductance (+/-10%)
74000	5 w	Pri	4 - 6	138	62 – 130 (VOR)	0.27 Apeak	3900µH
		Aux	2 - 1	16	7 – 14 Vdc	0.1 Adc	
		S1	9 - 10	8	3.3 – 7 Vdc	1.2 Adc	
		S2	7 - 8	19	8 – 17 Vdc	0.4 Adc	

Examples of application with Integrated Circuits :

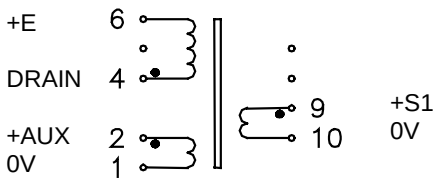
MYRRA P / N	Control IC Manufacturer	Control IC P / N	Input voltage	Power	Frequency
74000	Power Integrations	TOP242P	85 - 265Vrms	5w	132kHz
	ST Microelectronics	VIPer20	85 - 265Vrms	4w	70kHz

SIZE E16 • SINGLE OUTPUT : 5 or 12v

- **Primary / Secondary Insulation ≥ 4000V**
- **Primary / Auxiliary Insulation ≥ 1500V**
- **Creepage distance Primary / Secondary ≥ 6mm**
- **Ambient temperature < 60°C**
- **Construction conforms to IEC950, IEC335, IEC61558 for reinforced insulation**
- **Exclusively uses UL94-V0 listed materials**



Bottom View (Pin side)



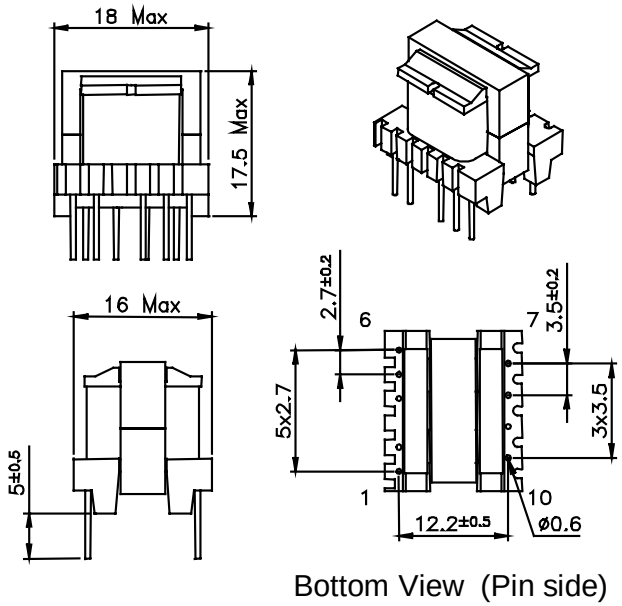
PIN 3 Removed
PCB Drilling Diameter = 1.1mm

MYRRA P / N	Output Power maximum	Windings					
			Pins	Turns	Voltage	Current maximum	Inductance (+/-10%)
74001	6 w	Pri	4 - 6	138	60 – 120 (VOR)	0.35 Apeak	3000µH
		Aux	2 - 1	20	8 – 16 Vdc	0.1 Adc	
		S1	9 - 10	8	3 – 6 Vdc	1.2 Adc	
74002	6 w	Pri	4 - 6	150	60 – 120 (VOR)	0.38 Apeak	3000µH
		Aux	2 - 1	22	8.5 – 17 Vdc	0.1 Adc	
		S1	9 - 10	24	9 – 18 Vdc	0.5 Adc	

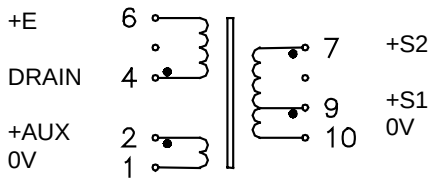
Examples of application with Integrated Circuits :

MYRRA P / N	Control IC Manufacturer	Control IC P / N	Input voltage	Power	Frequency
74001	Power Integrations	TOP242P	85 - 265Vrms	6w	132kHz
	ST Microelectronics	VIPer20	85 - 265Vrms	6w	70kHz
	ST Microelectronics	VIPer20	85 - 265Vrms	3w	40kHz
	Motorola	MC33369	85 - 265Vrms	6w	100kHz
	Infineon	TDA16831	185 - 265Vrms	6w	100kHz
74002	Power Integrations	TOP242P	85 - 265Vrms	6w	132kHz
	ST Microelectronics	VIPer20	85 - 265Vrms	6w	70kHz
	ST Microelectronics	VIPer20	85 - 265Vrms	3w	40kHz
	Motorola	MC33369	85 - 265Vrms	6w	100kHz
	Infineon	TDA16831	185 - 265Vrms	6w	100kHz

- **Primary / Secondary Insulation ≥ 4000V**
- **Primary / Auxiliary Insulation ≥ 1500V**
- **Creepage distance Primary / Secondary ≥ 6mm**
- **Ambient temperature < 60°C**
- **Construction conforms to IEC950, IEC335, IEC61558 for reinforced insulation**
- **Exclusively uses UL94-V0 listed materials**



Bottom View (Pin side)



74003

PIN 3 Removed
PCB Drilling Diameter = 1.1mm

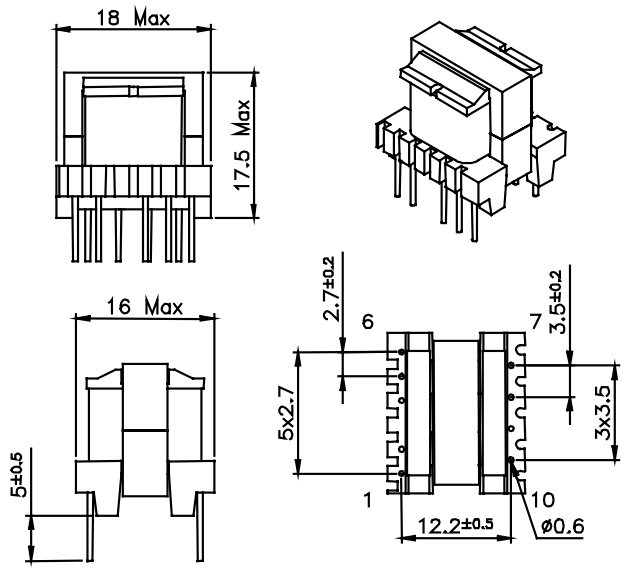
MYRRA P / N	Output Power maximum	Windings					
			Pins	Turns	Voltage	Current maximum	Inductance (+/-10%)
74003	6 w	Pri	4 - 6	120	55 – 115 (VOR)	0.3 Apeak	3000µH
		Aux	2 - 1	17	8 – 16 Vdc	0.1 Adc	
		S1	9 - 10	5	2 – 4 Vdc	1.8 Adc	
		S2	7 - 10	7	3 – 6 Vdc	1.2 Adc	

Examples of application with Integrated Circuits :

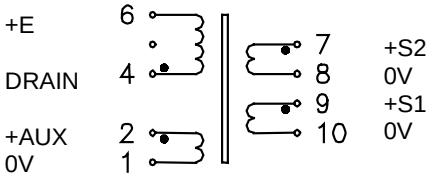
MYRRA P / N	Control IC Manufacturer	Control IC P / N	Input voltage	Power	Frequency
74003	Power Integrations	TOP242P	85 - 265Vrms	5w	132kHz
	ST Microelectronics	VIPer20	85 - 265Vrms	6w	70kHz
	ST Microelectronics	VIPer20	85 - 265Vrms	3w	40kHz
	Motorola	MC33369	85 - 265Vrms	6w	100kHz
	Infineon	TDA16831	185 - 265Vrms	6w	100kHz

SIZE E16 • 2 OUTPUTS : 5 & 12v

- **Primary / Secondary Insulation ≥ 4000V**
- **Primary / Auxiliary Insulation ≥ 1500V**
- **Creepage distance Primary / Secondary ≥ 6mm**
- **Ambient temperature < 50°C**
- **Construction conforms to IEC950, IEC335, IEC61558 for reinforced insulation**
- **Exclusively uses UL94-V0 listed materials**



Bottom View (Pin side)



74010

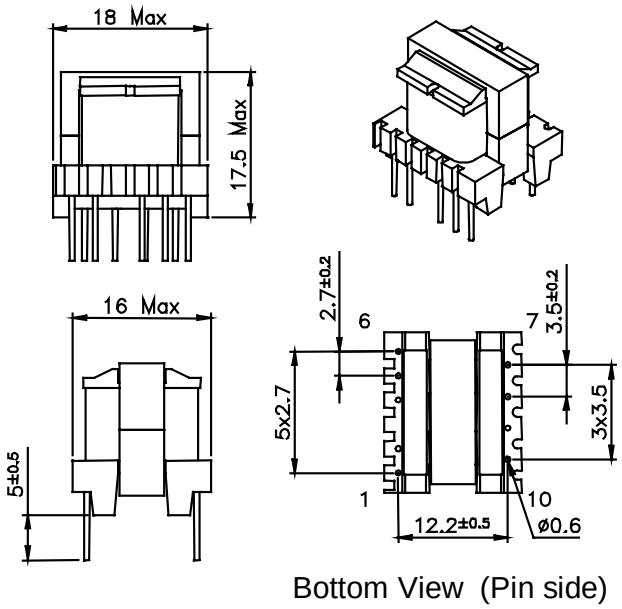
PIN 3 Removed
PCB Drilling Diameter = 1.1mm

MYRRA P / N	Output Power maximum	Windings					
			Pins	Turns	Voltage	Current maximum	Inductance (+/-10%)
74010	12 w	Pri	4 - 6	120	60 – 125 (VOR)	0.55 Apeak	1660µH
		Aux	2 - 1	14	7 – 14 Vdc	0.1 Adc	
		S1	9 - 10	7	3.3 – 7 Vdc	2 Adc	
		S2	7 - 8	17	8 – 17 Vdc	1 Adc	

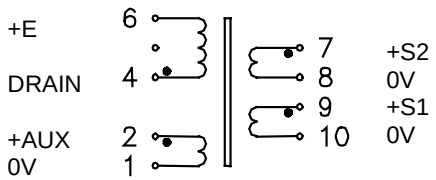
Examples of application with Integrated Circuits :

MYRRA P / N	Control IC Manufacturer	Control IC P / N	Input voltage	Power	Frequency
74010	Power Integrations	TNY267	185 - 265Vrms	12w	132kHz
	Power Integrations	TOP242P	85 - 265Vrms	10w	132kHz
	Power Integrations	TOP242P	185 - 265Vrms	12w	132kHz
	Power Integrations	TOP242P	85 - 265Vrms	10w	132kHz
	Power Integrations	TOP242P	185 - 265Vrms	12w	132kHz
	ST Microelectronics	VIPer20	85 - 265Vrms	8w	70kHz
	ST Microelectronics	VIPer20	185 - 265Vrms	10w	70kHz
	Motorola	MC33369	85 - 265Vrms	8w	100kHz
	Motorola	MC33369	185 - 265Vrms	10w	100kHz
	Infineon	TDA16831	92 - 265Vrms	7,5w	100kHz
	Infineon	TDA16831	185 - 265Vrms	10w	100kHz
	Fairchild	KA5L0165R	85 - 265Vrms	7w	50kHz
	Fairchild	KA5H0165RN	185 - 265Vrms	10w	100kHz

- **Primary / Secondary Insulation ≥ 4000V**
- **Primary / Auxiliary Insulation ≥ 1500V**
- **Creepage distance Primary / Secondary ≥ 6mm**
- **Ambient temperature < 50°C**
- **Construction conforms to IEC950, IEC335, IEC61558 for reinforced insulation**
- **Exclusively uses UL94-V0 listed materials**



Bottom View (Pin side)



74014

PIN 3 Removed
PCB Drilling Diameter = 1.1mm

MYRRA P / N	Output Power maximum	Windings					
			Pins	Turns	Voltage	Current maximum	Inductance (+/-10%)
74014	12 w	Pri	4 - 6	120	70 – 140 (VOR)	0.5 Apeak	1800µH
		Aux	2 - 1	17	9 – 18 Vdc	0.2 Adc	
		S1	9 - 10	27	15 – 30 Vdc	0.4 Adc	
		S2	7 - 8	27	15 – 30 Vdc	0.4 Adc	

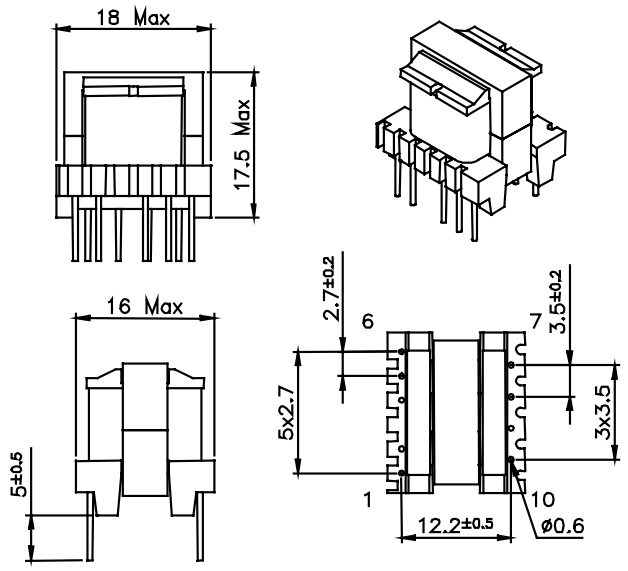
Typical outputs : +24V 0.5A with S1 – S2 in parallel
+48V 0.25A with S1 – S2 in series (8-9 connected)
+15V / -15V 0.4A with pins 8-9 connected to 0V

Examples of application with Integrated Circuits :

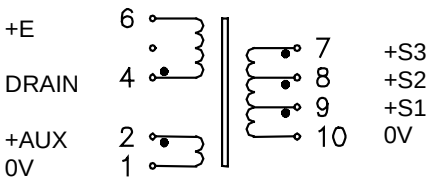
MYRRA P / N	Control IC Manufacturer	Control IC P / N	Input voltage	Power	Frequency
74014	Power Integrations	TNY266	185 - 265Vrms	12w	
	Power Integrations	TNY266	85 - 265Vrms	8w	
	Power Integrations	TOP242P	185 - 265Vrms	12w	132kHz
	Power Integrations	TOP242P	85 - 265Vrms	8w	132kHz

SIZE E16 • 3 OUTPUTS : 5 / 15 / 24v

- **Primary / Secondary Insulation ≥ 4000V**
- **Primary / Auxiliary Insulation ≥ 1500V**
- **Creepage distance Primary / Secondary ≥ 6mm**
- **Ambient temperature < 50°C**
- **Construction conforms to IEC950, IEC335, IEC61558 for reinforced insulation**
- **Exclusively uses UL94-V0 listed materials**



Bottom View (Pin side)



74015

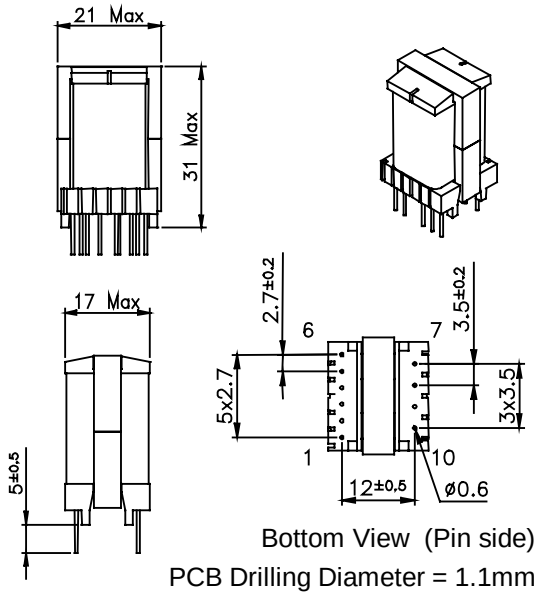
PIN 3 Removed
PCB Drilling Diameter = 1.1mm

MYRRA P / N	Output Power maximum	Windings					
			Pins	Turns	Voltage	Current maximum	Inductance (+/-10%)
74015	12 w	Pri	4 - 6	120	110 (VOR)	0.5 Apeak	1800µH
		Aux	2 - 1	14	12 Vdc	0.2 Adc	
		S1	9 - 10	6	5 Vdc	1.5 Adc	
		S2	8 - 10	17	15 Vdc	0.6 Adc	
		S3	7 - 10	27	24 Vdc	0.4 Adc	

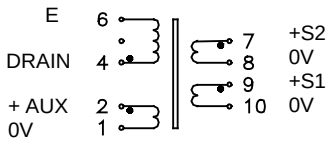
Examples of application with Integrated Circuits :

MYRRA P / N	Control IC Manufacturer	Control IC P / N	Input voltage	Power	Frequency
74015	Power Integrations	TNY266	185 - 265Vrms	10w	
	Power Integrations	TNY266	85 - 265Vrms	8w	
	Power Integrations	TOP242P	185 - 265Vrms	12w	132kHz
	Power Integrations	TOP242P	85 - 265Vrms	9w	132kHz

- **Primary / Secondary Insulation ≥ 4000V**
- **Primary / Auxiliary Insulation ≥ 1500V**
- **Creepage distance Primary / Secondary ≥ 6mm**
- **Ambient temperature < 50°C**
- **Construction conforms to IEC950, IEC335, IEC61558 for reinforced insulation**
- **Exclusively uses UL94-V0 listed materials**



Bottom View (Pin side)
PCB Drilling Diameter = 1.1mm



74020 / 74021

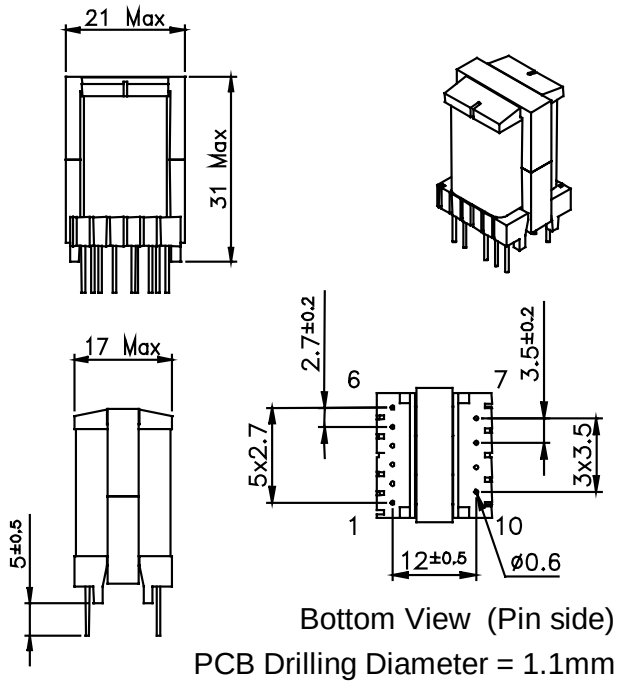
MYRRA P / N	Output Power maximum	Windings					
			Pins	Turns	Voltage	Current maximum	Inductance (+/-10%)
74020	18 w	Pri	4 - 6	108	65 – 130 (VOR)	0.8 Apeak	1250µH
		Aux	2 - 1	12	7 – 14 Vdc	0.1 Adc	
		S1	9 - 10	6	3.3 – 7 Vdc	3 Adc	
		S2	7 - 8	14	8 – 16.5 Vdc	1.4 Adc	
74021	18 w	Pri	4 - 6	108	65 – 130 (VOR)	1.1 Apeak	900µH
		Aux	2 - 1	12	7 – 14 Vdc	0.1 Adc	
		S1	9 - 10	6	3.3 – 7 Vdc	3 Adc	
		S2	7 - 8	14	8 – 16.5 Vdc	1.4 Adc	

Examples of application with Integrated Circuits :

MYRRA P / N	Control IC Manufacturer	Control IC P / N	Input voltage	Power	Frequency
74020	Power Integrations	TNY268	85 - 265Vrms	15w	132kHz
	Power Integrations	TOP243P	185 - 265Vrms	18w	132kHz
	Power Integrations	TOP243P	85 - 265Vrms	12w	132kHz
	ST Microelectronics	VIPer20	85 - 265Vrms	10w	100kHz
	ST Microelectronics	VIPer20	185 - 265Vrms	12w	100kHz
	ST Microelectronics	VIPer50	185 - 265Vrms	16w	100kHz
	Motorola	MC33370	185 - 265Vrms	16w	100kHz
	Infineon	TDA16832	185 - 265Vrms	16w	100kHz
74021	ST Microelectronics	VIPer50	85 - 265Vrms	13w	70kHz
	Motorola	MC33370	85 - 265Vrms	13w	100kHz
	Infineon	TDA16831	92 - 265Vrms	10w	100kHz

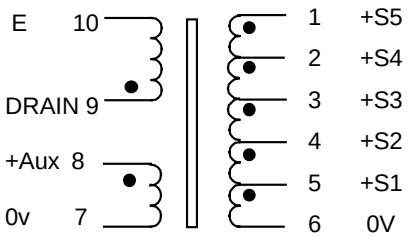
SIZE EL19 • 5 OUTPUTS : 3.3 / 5 / 12 / 18 / 30v

- **Primary / Secondary Insulation ≥ 4000V**
- **Primary / Auxiliary Insulation ≥ 1500V**
- **Creepage distance Primary / Secondary ≥ 6mm**
- **Ambient temperature < 60°C**
- **Construction conforms to IEC950, IEC335, IEC61558 for reinforced insulation**
- **Exclusively uses UL94-V0 listed materials**



Bottom View (Pin side)

PCB Drilling Diameter = 1.1mm



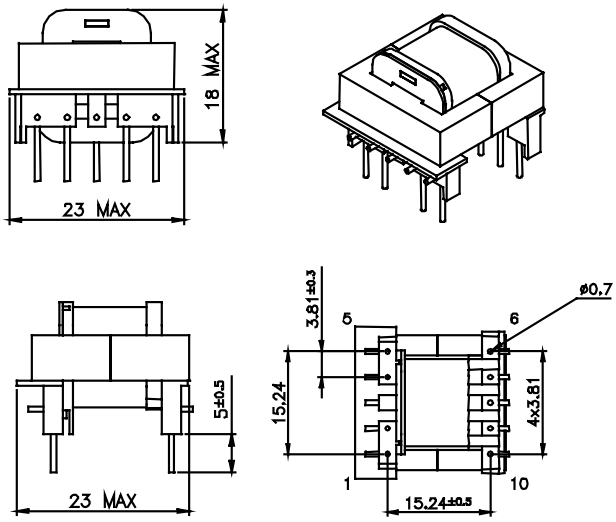
74023

MYRRA P / N	Output Power maximum	Windings					
			Pins	Turns	Voltage	Current maximum	Inductance (+/-10%)
74023	16 w	Pri	9 – 10	120	110 (VOR)	0.85 Apeak	1250µH
		Aux	8 – 7	17	15 Vdc	0.2 Adc	
		S1	5 – 6	4	3.3 Vdc	2 Adc	
		S2	4 – 6	6	5 Vdc	Sum S1+S2	
		S3	3 – 6	14	12 Vdc	0.8 Adc	
		S4	2 – 6	20	18 Vdc	0.8 Adc	
		S5	1 – 6	33	30 Vdc	0.2 Adc	

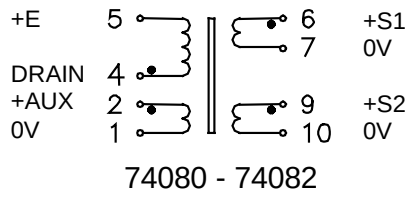
Examples of application with Integrated Circuits :

MYRRA P / N	Control IC Manufacturer	Control IC P / N	Input voltage	Power	Frequency
74023	Power Integrations	TOP243P	185 - 265Vrms	16w	132kHz
	Power Integrations	TOP243P	85 - 265Vrms	12w	132kHz

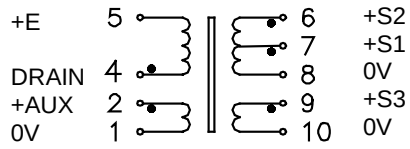
- **Primary / Secondary Insulation ≥ 4000V • Primary / Auxiliary Insulation ≥ 1500V**
- **Creepage distance Primary / Secondary ≥ 8mm**
- **Ambient temperature < 50°C**
- **Construction conforms to IEC950, IEC335, IEC61558 for reinforced insulation**
- **Exclusively uses UL94-V0 listed materials**



Bottom View (Pin side)



74080 - 74082



74081

PIN 3 Removed
PCB Drilling Diameter = 1.2mm

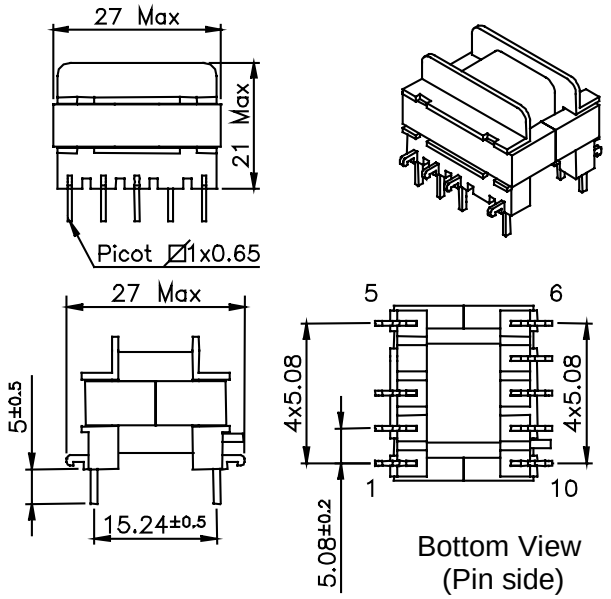
MYRRA P / N	Output Power maximum	Windings					
			Pins	Turns	Voltage	Current maximum	Inductance (+/-10%)
74080	24 w	Pri	4 – 5	86	80 – 135 (VOR)	1.0 Apeak	1000µH
		Aux	2 – 1	12	11 - 18 Vdc	0.3 Adc	
		S1	6 – 7	10	9 – 15 Vdc	1.5 Adc	
		S2	9 – 10	10	9 – 15 Vdc	1.5 Adc	
74081	20 w	Pri	4 – 5	80	75 (VOR)	0.9 Apeak	1100µH
		Aux	2 – 1	17	15 Vdc	0.3 Adc	
		S1	7 – 8	4	3.3 Vdc	3 Adc	
		S2	6 – 8	6	5 Vdc	Sum S1+S2	
		S3	9 – 10	14	12 Vdc	1.3 Adc	
74082	20 w	Pri	4 – 5	86	60 – 135 (VOR)	0.85 Apeak	1300µH
		Aux	2 – 1	12	7 - 18 Vdc	0.3 Adc	
		S1	6 – 7	5	3 – 7.5 Vdc	2.0 Adc	
		S2	9 – 10	5	3 – 7.5 Vdc	2.0 Adc	

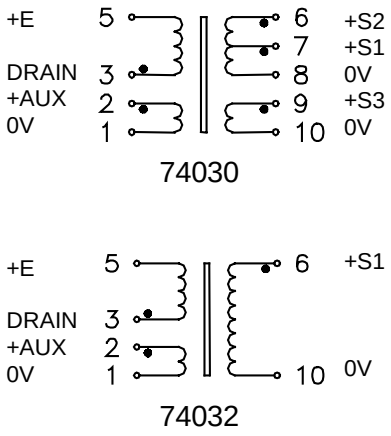
Note for 74080 and 74082 : S1 and S2 can be connected in series or in parallel

Examples of application with Integrated Circuits :

MYRRA P / N	Control IC Manufacturer	Control IC P / N	Input voltage	Power	Frequency
74080	Power Integrations	TOP243P	185 - 265Vrms	24w	132kHz
	Power Integrations	TOP243P	85 - 265Vrms	15w	132kHz
74081	Power Integrations	TOP243P	185 - 265Vrms	20w	132kHz
	Power Integrations	TOP243P	85 – 265Vrms	12w	132kHz
74082	Power Integrations	TOP243P	185 - 265Vrms	20w	132kHz
	Power Integrations	TOP243P	85 – 265Vrms	14w	132kHz
	Power Integrations	TNY268	185 - 265Vrms	17w	< 120kHz

- **Primary / Secondary Insulation ≥ 4000V**
- **Primary / Auxiliary Insulation ≥ 1500V**
- **Creepage distance Primary / Secondary ≥ 6mm**
- **Ambient temperature < 50°C**
- **Construction conforms to IEC950, IEC335, IEC61558 for reinforced insulation**
- **Exclusively uses UL94-V0 listed materials**





PIN 4 Removed
PCB Drilling Diameter = 1.4mm

MYRRA P / N	Output Power maximum	Windings					
			Pins	Turns	Voltage	Current maximum	Inductance (+/-10%)
74030	30 w	Pri	3 – 5	70	65 – 130 (VOR)	1.5 Apeak	750µH
		Aux	2 – 1	8	7 – 14.5 Vdc	1 Adc	
		S1	7 – 8	4	3.3 - 7	3 Adc	
		S2	6 – 8	9	8 – 16 Vdc	1.5 Adc	
		S3	9 – 10	9	8 – 16 Vdc	1.5 Adc	
74032	35 w	Pri	3 – 5	72	62 - 125 (VOR)	1.1 Apeak	1100µH
		Aux	2 – 1	10	8 - 16 Vdc	1 Adc	
		S1	6 – 10	18	15 - 30 Vdc	1.4 Adc	

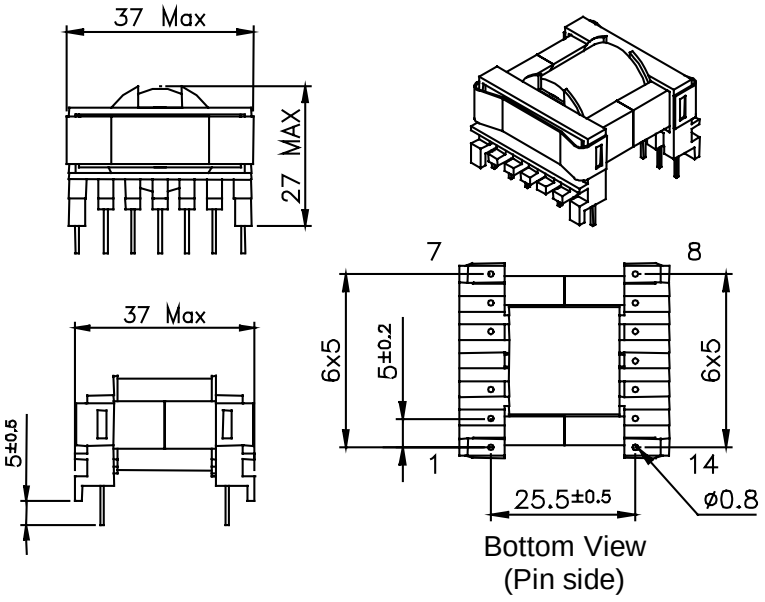
Note for 74030 : S2 and S3 can be connected in series or in parallel

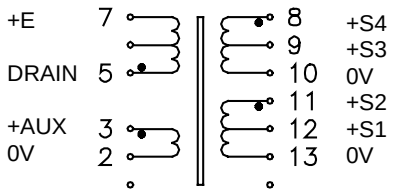
Examples of application with Integrated Circuits :

MYRRA P / N	Control IC Manufacturer	Control IC P / N	Input voltage	Power	Frequency
74030	Power Integrations	TOP244P	185 - 265Vrms	30w	132kHz
	Power Integrations	TOP244Y	85 - 265Vrms	25w	66 or 132kHz
	ST Microelectronics	VIPer50	85 - 265Vrms	22w	70kHz
	ST Microelectronics	VIPer50	185 - 265Vrms	30w	70kHz
	Motorola	MC33371	85 - 265Vrms	22w	100kHz
	Motorola	MC33371	185 - 265Vrms	30w	100kHz
	Infineon	TDA16832	185 - 265Vrms	30w	100kHz
	Fairchild	KA1H0265R	85 - 265Vrms	22w	100kHz
74032	Power Integrations	TOP244P	185 - 265Vrms	25w	132kHz

SIZE ETD29 • 4 OUTPUTS : 5+12 / 5+12v

- **Primary / Secondary Insulation ≥ 4000V**
- **Primary / Auxiliary Insulation ≥ 1500V**
- **Creepage distance Primary / Secondary ≥ 8mm**
- **Ambient temperature < 50°C**
- **Construction conforms to IEC950, IEC335, IEC61558 for reinforced insulation**
- **Exclusively uses UL94-V0 listed materials**





PIN 4 Removed
PCB Drilling Diameter = 1.3mm

MYRRA P / N	Output Power maximum	Windings					
			Pins	Turns	Voltage	Current maximum	Inductance (+/-10%)
74040	60 w	Pri	5 – 7	50	60 – 125 (VOR)	3.0 Apeak	500µH
		Aux	3 – 2	6	7 – 14.5 Vdc	0.5 Adc	
		S1	12 – 13	3	3.3 - 7	4 Adc	
		S2	11 – 13	7	8 – 16.5 Vdc	2.5 Adc	
		S3	9 – 10	3	3.3 - 7	4 Adc	
		S4	8 - 10	7	8 – 16.5 Vdc	2.5 Adc	

Note : S1 / S3 or S2 / S4 can be connected in series or in parallel

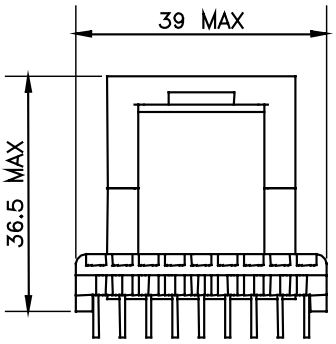
Examples of application with Integrated Circuits :

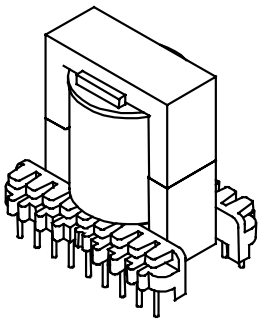
MYRRA P / N	Control IC Manufacturer	Control IC P / N	Input voltage	Power	Frequency
74040	Power Integrations	TOP245Y	185 - 265Vrms	60w	66 or 132kHz
	Power Integrations	TOP245Y	85 - 265Vrms	45w	66 or 132kHz
	ST Microelectronics	VIPer50	85 - 265Vrms	35w	100kHz
	ST Microelectronics	VIPer50	185 - 265Vrms	45w	100kHz
	Motorola	MC33372	85 - 265Vrms	35w	100kHz
	Motorola	MC33372	185 - 265Vrms	45w	100kHz
	Infineon	TDA16834	92 - 265Vrms	35w	100kHz
	Infineon	TDA16834	185 - 265Vrms	45w	100kHz

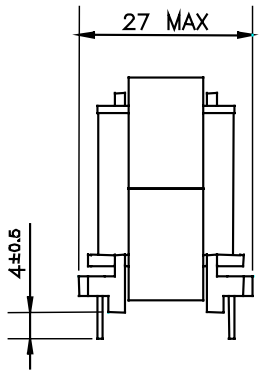
SIZE ERL28 • 5 OUTPUTS : 3.3 / 5 / 12 / 18 / 30v

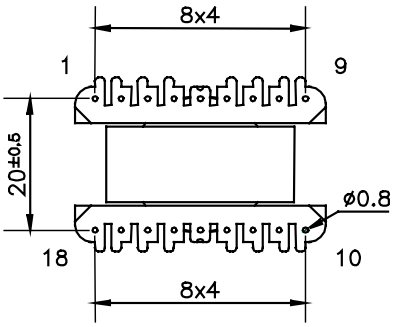
FLYBACK TRANSFORMER

- **Primary / Secondary Insulation ≥ 4000V**
- **Primary / Auxiliary Insulation ≥ 1500V**
- **Creepage distance Primary / Secondary ≥ 6mm**
- **Ambient temperature < 50°C**
- **Construction conforms to IEC950, IEC335, IEC61558 for reinforced insulation**
- **Exclusively uses UL94-V0 listed materials**

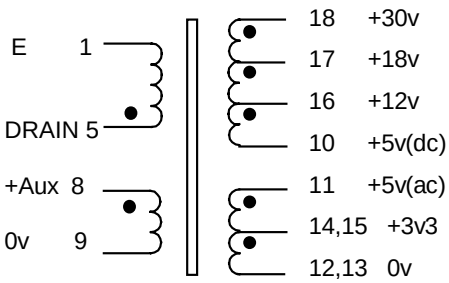








Bottom View (Pin side)



PCB Drilling Diameter = 1.3mm

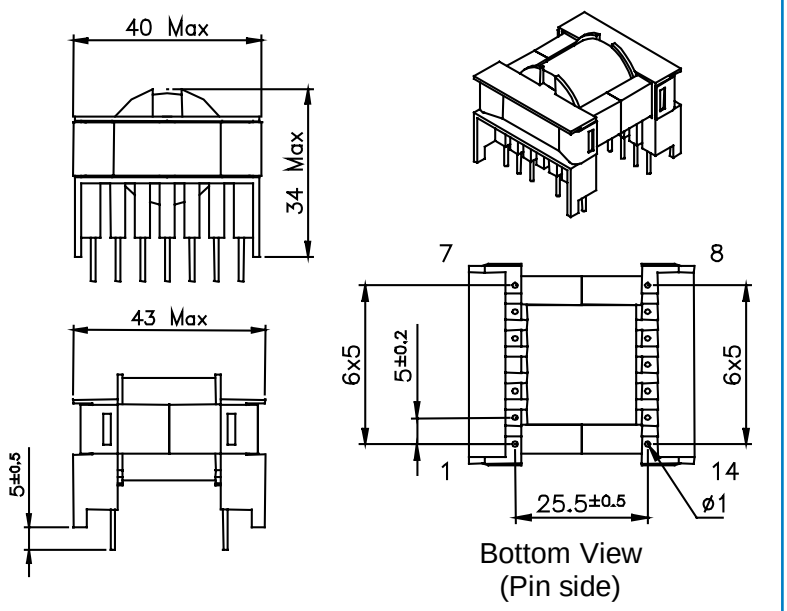
MYRRA P / N	Output Power maximum	Windings					
			Pins	Turns	Voltage	Current maximum	Inductance (+/-10%)
74043	60w	Pri	5 – 1	45	90 (VOR)	3 Apeak	500µH
		Aux	8 – 9	7	15 Vdc	0.5 Adc	
		S1	14+15 / 12+13	2	3.3 Vdc	7 Adc	
		S2	11 / 12+13	3	5 Vdc	Sum S1+S2	
		S3	16 – 10	4	12 Vdc	2 Adc	
		S4	17 – 10	7	18 Vdc	2 Adc	
		S5	18 – 10	13	30 Vdc	0.5 Adc	

Examples of application with Integrated Circuits :

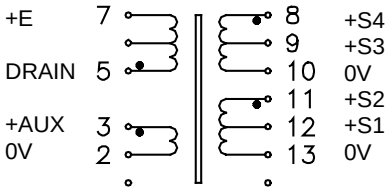
MYRRA P / N	Control IC Manufacturer	Control IC P / N	Input voltage	Power	Frequency
74043	Power Integrations	TOP246Y	185 - 265Vrms	60w	66 or 132kHz
	Power Integrations	TOP246Y	85 - 265Vrms	45w	66 or 132kHz

SIZE ETD34 • 4 OUTPUTS : 5+12 / 5+12v

- **Primary / Secondary Insulation ≥ 4000V**
- **Primary / Auxiliary Insulation ≥ 1500V**
- **Creepage distance Primary / Secondary ≥ 8mm**
- **Ambient temperature < 50°C**
- **Construction conforms to IEC950, IEC335, IEC61558 for reinforced insulation**
- **Exclusively uses UL94-V0 listed materials**



Bottom View
(Pin side)



PIN 4 Removed
PCB Drilling Diameter = 1.5mm

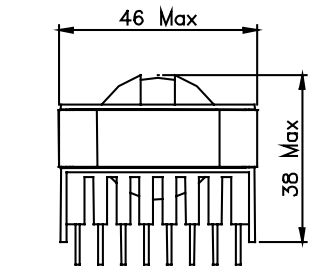
MYRRA P / N	Output Power maximum	Windings					
			Pins	Turns	Voltage	Current maximum	Inductance (+/-10%)
74050	90 w	Pri	5 – 7	36	65 – 125 (VOR)	2.8 Apeak	500µH
		Aux	3 – 2	4	7 – 14 Vdc	0.5 Adc	
		S1	12 – 13	2	3.3 – 6.5	5 Adc	
		S2	11 – 13	5	8.5 – 17 Vdc	3 Adc	
		S3	9 – 10	2	3.3 – 6.5	5 Adc	
		S4	8 - 10	5	8.5 – 17 Vdc	3 Adc	

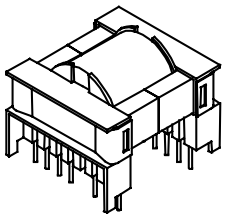
Note : S1 / S3 or S2 / S4 can be connected in series or in parallel

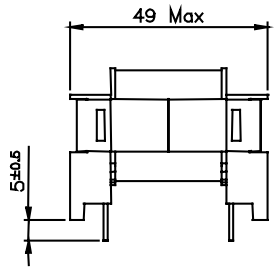
Examples of application with Integrated Circuits :

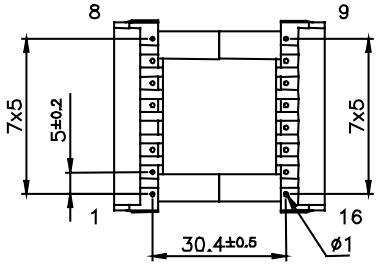
MYRRA P / N	Control IC Manufacturer	Control IC P / N	Input voltage	Power	Frequency
74050	Power Integrations	TOP246Y	185 - 265Vrms	90w	132kHz
	Power Integrations	TOP246Y	85 - 265Vrms	60w	66 or 132kHz
	ST Microelectronics	VIPer100A	185 - 265Vrms	80w	70kHz
	ST Microelectronics	VIPer100A	85 - 265Vrms	60w	70kHz
	Motorola	MC33373	185 - 265Vrms	80w	100kHz
	Motorola	MC33373	85 - 265Vrms	60w	100kHz
	Infineon	TDA16834	185 - 265Vrms	80w	100kHz
	Infineon	TDA16836	85 - 265Vrms	60w	100kHz

- **Primary / Secondary Insulation ≥ 4000V**
- **Primary / Auxiliary Insulation ≥ 1500V**
- **Creepage distance Primary / Secondary ≥ 8mm**
- **Ambient temperature < 50°C**
- **Construction conforms to IEC950, IEC335, IEC61558 for reinforced insulation**
- **Exclusively uses UL94-V0 listed materials**

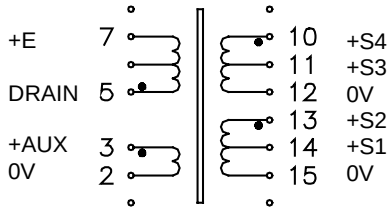








Bottom View
(Pin side)



PIN 4 Removed
PCB Drilling Diameter = 1.5mm

MYRRA P / N	Output Power maximum	Windings					
			Pins	Turns	Voltage	Current maximum	Inductance (+/-10%)
74060	140 w	Pri	5 – 7	36	65 – 125 (VOR)	4 Apeak	440µH
		Aux	3 – 2	4	7 – 14 Vdc	0.5 Adc	
		S1	14 – 15	2	3.3 – 6.5	5 Adc	
		S2	13 – 15	5	8.5 – 17 Vdc	5 Adc	
		S3	11 – 12	2	3.3 – 6.5	5 Adc	
		S4	10 – 12	5	8.5 – 17 Vdc	5 Adc	

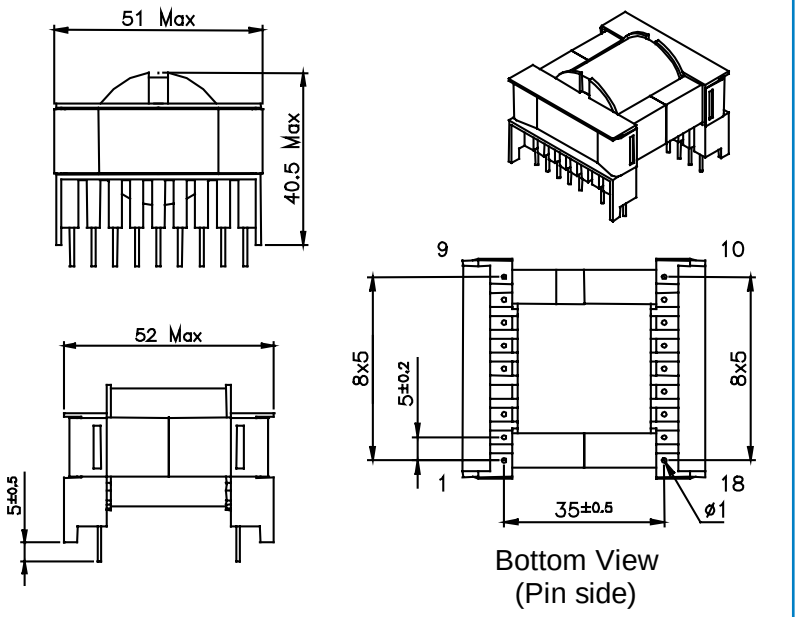
Note : S1 / S3 or S2 / S4 can be connected in series or in parallel

Examples of application with Integrated Circuits :

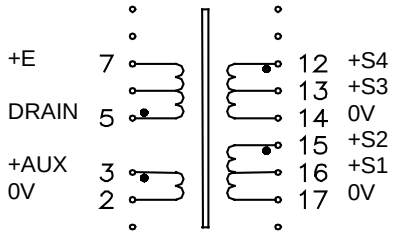
MYRRA P / N	Control IC Manufacturer	Control IC P / N	Input voltage	Power	Frequency
74060	Power Integrations	TOP247Y	185 - 265Vrms	140w	132kHz
	Power Integrations	TOP247Y	85 - 265Vrms	90w	66 or 132kHz
	ST Microelectronics	VIPer100A	85 - 265Vrms	70w	70kHz
	ST Microelectronics	VIPer100A	185 - 265Vrms	120w	100kHz
	Motorola	MC33374	85 - 265Vrms	70w	100kHz
	Motorola	MC33374	185 - 265Vrms	120w	100kHz
	Infineon	TDA16836	85 - 265Vrms	70w	100kHz
	Infineon	TDA16836	185 - 265Vrms	120w	100kHz
	Fairchild	KA1H0565R	85 - 265Vrms	70w	100kHz
	Fairchild	KA1H0565R	185 - 265Vrms	120w	100kHz

FLYBACK TRANSFORMER — SIZE ETD44 • 4 OUTPUTS : 5+12 / 5+12v

- **Primary / Secondary Insulation ≥ 4000V**
- **Primary / Auxiliary Insulation ≥ 1500V**
- **Creepage distance Primary / Secondary ≥ 8mm**
- **Ambient temperature < 50°C**
- **Construction conforms to IEC950, IEC335, IEC61558 for reinforced insulation**
- **Exclusively uses UL94-V0 listed materials**



Bottom View
(Pin side)



PIN 4 Removed
PCB Drilling Diameter = 1.5mm

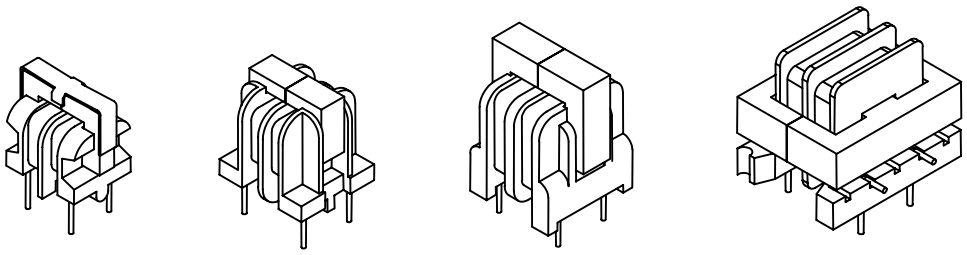
MYRRA P / N	Output Power maximum	Windings					
			Pins	Turns	Voltage	Current maximum	Inductance (+/-10%)
74070	180 w	Pri	5 – 7	38	65 – 125 (VOR)	8 Apeak	300µH
		Aux	3 – 2	4	7 – 14 Vdc	0.5 Adc	
		S1	16 – 17	2	3.3 – 6.5	6 Adc	
		S2	15 – 17	5	8.5 – 17 Vdc	5 Adc	
		S3	13 – 14	2	3.3 – 6.5	6 Adc	
		S4	12 – 14	5	8.5 – 17 Vdc	5 Adc	

Note : S1 / S3 or S2 / S4 can be connected in series or in parallel

Examples of application with Integrated Circuits :

MYRRA P / N	Control IC Manufacturer	Control IC P / N	Input voltage	Power	Frequency
74070	Power Integrations	TOP248Y TOP249Y	185 - 265Vrms	180w	66 or 132kHz
	Power Integrations	TOP249Y	85 - 265Vrms	120w	66kHz
	Infineon	TDA16837	185 - 265Vrms	160w	100kHz
	Fairchild	KA2S0965	185 - 265Vrms	160w	100kHz
	Philips	TEA1566	185 - 265Vrms	120w	50kHz

COMMON MODE CHOKES RANGE
FOR EMI SUPPRESSION



U9.8 U10.5 U16 E25

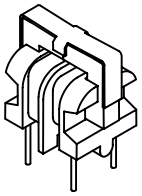
- **Mainly used to reduce noise conducted through power or signal lines.**
- **The common mode inductance filters symmetrical noise, associated with Y-type safety capacitors connected to ground.**
- **The differential mode inductance filters asymmetrical noise, associated with X-type capacitor connected between Line and Neutral.**

MYRRA Part N°	SIZE	Inductance range	Current range
74330 - 74335	U9.8	1.5 to 47mH	0.18 to 1.1A
74300 - 74306	U10.5	1.5 to 68mH	0.30 to 1.9A
74310 - 74315	U16	1.5 to 33mH	0.75 to 3.3A
74320 - 74325	E25	1.5 to 33mH	0.90 to 4.0A

COMMON MODE CHOKES FOR EMI SUPPRESSION

- **Ambient Temperature ≤ 50°C**
- **Dielectric Strength ≥ 1.5 kV between windings**
- **Electrical characteristics at 25 °C**

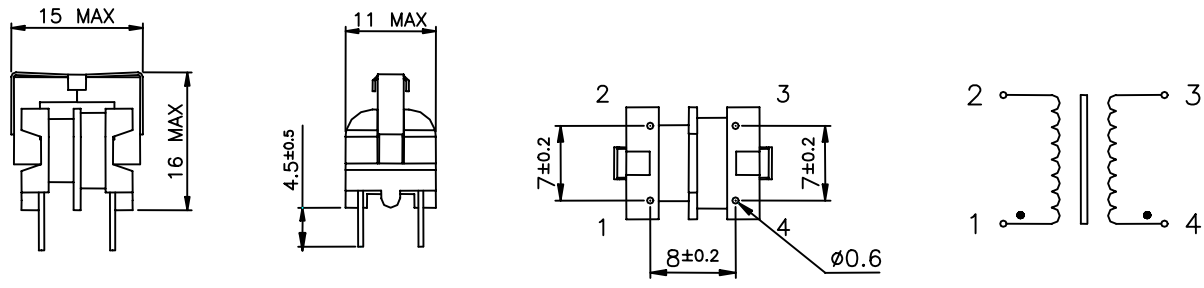
SIZE : U9.8



ELECTRICAL CHARACTERISTICS :

MYRRA Part N°	Inductance Common Mode min - max (mH)	Rated Current Arms	Resistance per winding ohm max	Inductance Differential Mode µH min	Resonant Frequency kHz min
74330	33 - 56	0.18	7	710	210
74331	18 - 31	0.26	3.5	360	280
74332	10 - 17	0.35	2.0	210	400
74333	4.7 - 8	0.5	.95	100	610
74334	2.2 - 3.7	0.8	.4	45	910
74335	1 - 1.7	1.1	.21	20	1300

MECHANICAL CHARACTERISTICS / PINOUT :

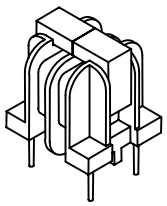


View from pin side
PCB Drilling diameter 1.0 mm

COMMON MODE CHOKES FOR EMI SUPPRESSION

- **Ambient Temperature ≤ 50°C**
- **Dielectric Strength ≥ 1.5 kV between windings**
- **Electrical characteristics at 25 °C**

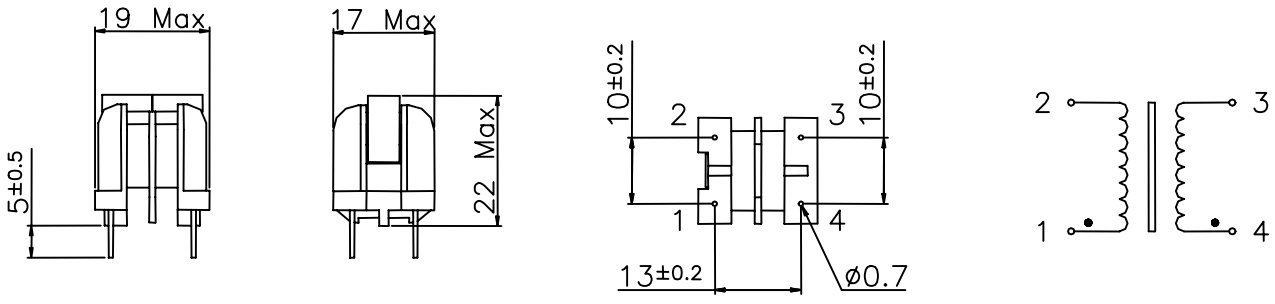
SIZE : U10.5



ELECTRICAL CHARACTERISTICS :

MYRRA Part N°	Inductance Common Mode min - max (mH)	Rated Current Arms	Resistance per winding ohm max	Inductance Differential Mode µH min	Resonant Frequency kHz min
74306	51 - 85	0.3	4	530	125
74300	33 - 56	0,35	3	400	170
74301	18 - 31	0,45	1,7	240	220
74302	10 - 17	0,6	1	140	320
74303	4.7 - 8	0,9	0,43	65	480
74304	2.2 - 3.7	1,3	0,23	32	740
74305	1 - 1.7	1,9	0,1	14	1000

MECHANICAL CHARACTERISTICS / PINOUT :

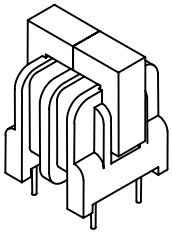


View from pin side
PCB Drilling diameter 1.1 mm

COMMON MODE CHOKES FOR EMI SUPPRESSION

- **Ambient Temperature ≤ 50°C**
- **Dielectric Strength ≥ 1.5 kV between windings**
- **Electrical characteristics at 25 °C**

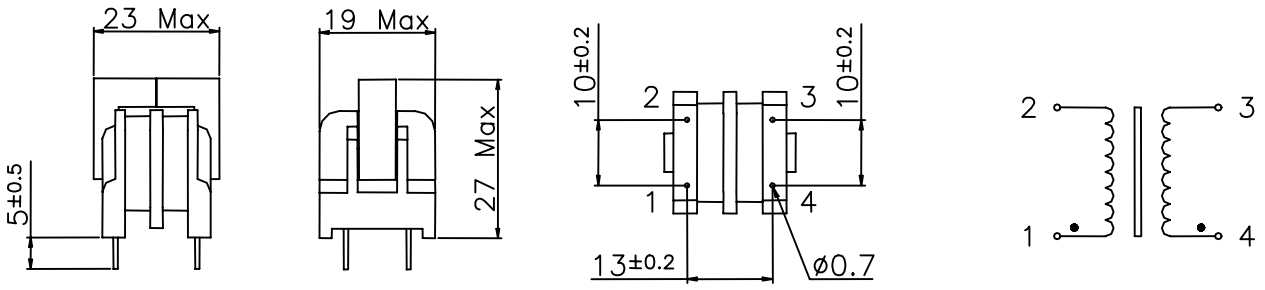
SIZE : U16



ELECTRICAL CHARACTERISTICS :

MYRRA Part N°	Inductance Common Mode min - max (mH)	Rated Current Arms	Resistance per winding ohm max	Inductance Differential Mode µH min	Resonant Frequency kHz min
74310	22 – 37	0,75	1	230	170
74311	15 – 25	0,9	0,75	150	210
74312	10 - 17	1,1	0,44	100	280
74313	4.7 - 8	1,5	0,24	50	440
74314	2.2 - 3.7	2,3	0,095	20	650
74315	1 - 1.7	3,3	0,046	10	1000

MECHANICAL CHARACTERISTICS / PINOUT :

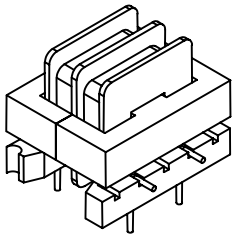


View from pin side
PCB Drilling diameter 1.1 mm

COMMON MODE CHOKES FOR EMI SUPPRESSION

- **Ambient Temperature ≤ 50°C**
- **Dielectric Strength ≥ 1.5 kV between windings**
- **Electrical characteristics at 25 °C**

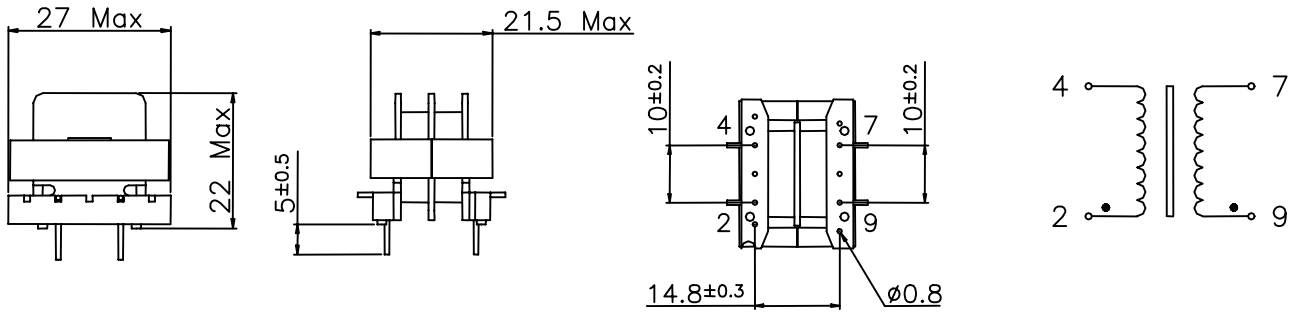
SIZE : E25



ELECTRICAL CHARACTERISTICS :

MYRRA Part N°	Inductance Common Mode min - max (mH)	Rated Current Arms	Resistance per winding ohm max	Inductance Differential Mode µH min	Resonant Frequency kHz min
74320	22 – 37	0,9	0,54	130	170
74321	15 – 25	1,1	0,35	90	210
74322	10 - 17	1,3	0,22	50	270
74323	4.7 - 8	1,8	0,105	25	400
74324	2.2 - 3.7	2,7	0,05	11	630
74325	1 - 1.7	4	0,03	7	950

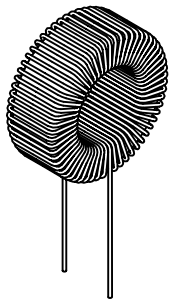
MECHANICAL CHARACTERISTICS / PINOUT :



View from pin side
PCB Drilling diameter 1.2 mm

DIMMER CHOKES FOR EMI SUPPRESSION

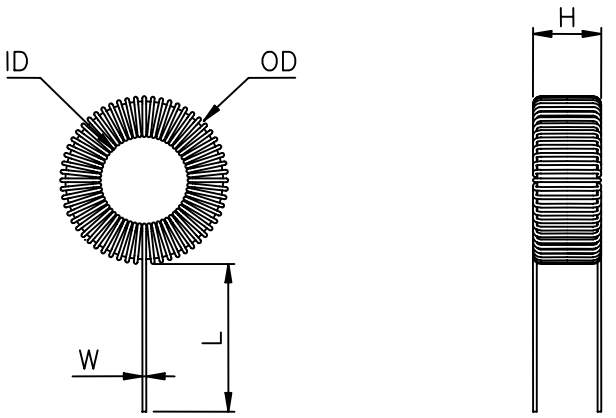
- **For noise suppression in light dimmers**
- **Saturable chokes : provides a high impedance for Triac switching interferences, and a low impedance for 50Hz component.**
- **Electrical characteristics at 25 °**



ELECTRICAL CHARACTERISTICS :

MYRRA Part N°	Power	Inductance +/- 15 %	Rated Current	Resistance	Associated Capacitor	Dimensions (mm)				Approx. Weight
						OD max	OD min	H max	W max	
74190	150 w	3.5 mH	0.7 Arms	1.5 Ω	22 nF	24	9	9.5	0.5	13 g
74191	300 w	2.8 mH	1.3 Arms	0.73 Ω	47 nF	29	10	11	0.7	24 g
74192	500 w	2.0 mH	2.2 Arms	0.35 Ω	82 nF	32.5	9	16	0.9	47 g
74196	500 w	1.8 mH	2.2 Arms	0.37 Ω	82 nF	38	14	12	0.9	39 g
74193	1000 w	1.3 mH	4.5 Arms	0.15 Ω	220 nF	44	14	16.5	1.2	80 g
74194	2200 w	450 µH	10 Arms	0.04 Ω	470 nF	50	15	22.5	1.8	140 g
74195	4500 w	250 µH	20 Arms	0.014 Ω	1 µF	58	15	27	2.5	250 g

MECHANICAL CHARACTERISTICS :



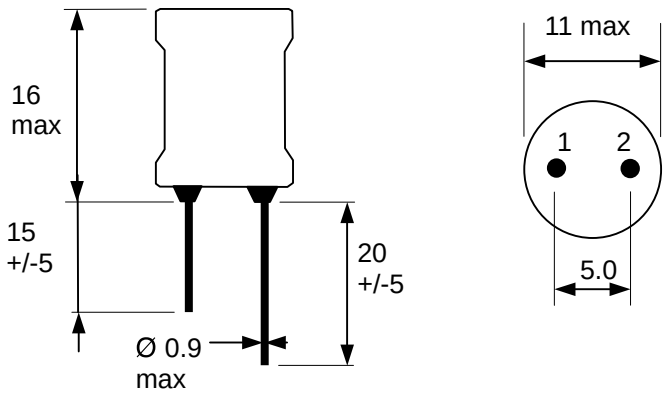
L = 25 +/-10mm

- **For use as filtering or DC/DC power conversion.**
- **Electrical characteristics given for 25 °C**
- **Ambient temperature up to 70°C without derating**
- **Models 74460 & 74461 are designed to make a non-isolated supply in association with Power Integrations TinySwitch integrated circuits.**

ELECTRICAL CHARACTERISTICS :

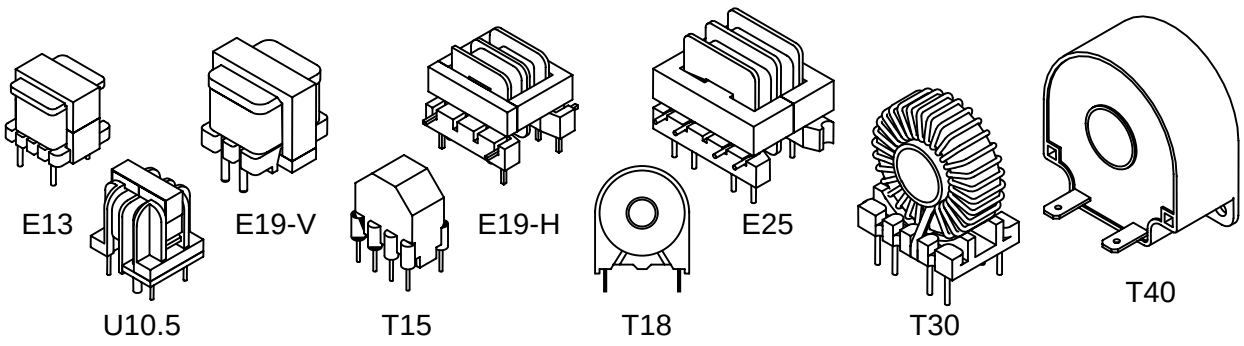
MYRRA Part N°	Inductance +/- 10 %	Rated Current	Saturation Current	Resistance max
74450	10 µH	5.0 Arms	6.5 Apeak	0.016 Ω
74451	22 µH	3.5 Arms	4.2 Apeak	0.031 Ω
74452	47 µH	2.4 Arms	2.9 Apeak	0.07 Ω
74453	100 µH	1.5 Arms	2.0 Apeak	0.15 Ω
74454	220 µH	1.1 Arms	1.35 Apeak	0.30 Ω
74460	470 µH	0.7 Arms	0.95 Apeak	0.70 Ω
74461	820 µH	0.55 Arms	0.7 Apeak	1.15 Ω

MECHANICAL CHARACTERISTICS :



Weight ≈ 3.5 g

CURRENT TRANSFORMERS RANGE

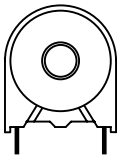


• FOR MAINS AC CURRENT MEASUREMENT - 50 to 400 Hz

MYRRA Part N°	SIZE	Ratio	Current range
PIN PRIMARY - up to 25A			
74521	Size E19-H	Ratio 1 / 1 / 750	Current 10 A / 20 A
74523	Size E19-V	Ratio 1 / 500	Current 15 A
74531	Size E25	Ratio 1 / 1 / 1000	Current 12.5 A / 25 A
74533	Size E25	Ratio 1 / 1000	Current 8 A
74534	Size E25	Ratio 1 / 350	Current 4 A
74561	Size U10.5	Ratio 1 / 2000	Current 8 A
THRU-HOLE PRIMARY - up to 250A			
74503	Size T18	Ratio 1 / 1000	Current 12 A
74504	Size T18	Ratio 1 / 750	Current 10 A
74511	Size T30	Ratio 1 / 1000	Current 60 A
74543, 74544, 74545	Size T40	Ratio 1 / 500	Current 100 A
74546, 74547, 74548	Size T40	Ratio 1 / 1000	Current 250 A

• FOR SWITCH MODE POWER SUPPLIES - 20 to 150kHz

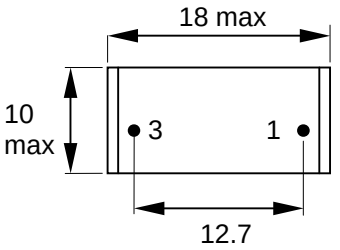
MYRRA Part N°	SIZE	Ratio	Current range
PIN PRIMARY - up to 25A			
74520	Size E19-H	Ratio 1 / 1 / 100	Current 10 A/ 20 A
74530	Size E25	Ratio 1 / 1 / 100	Current 12.5 A/ 25 A
74550	Size E13	Ratio 1 / 100	Current 10 A
74560	Size U10.5	Ratio 1 / 100	Current 10 A
74562	Size U10.5	Ratio 1 / 100	Current 10 A
74570	Size T15	Ratio 1 / 1 / 50	Current 10 A/ 20 A
THRU-HOLE PRIMARY - up to 200A			
74500	Size T18	Ratio 1 / 50	Current 15 A
74501	Size T18	Ratio 1 / 100	Current 25 A
74502	Size T18	Ratio 1 / 200	Current 25 A
74510	Size T30	Ratio 1 / 100	Current 150 A
74540, 74541, 74542	Size T40	Ratio 1 / 100	Current 200 A

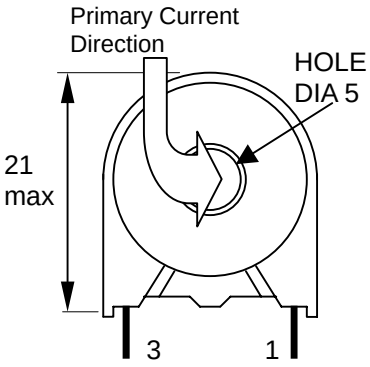


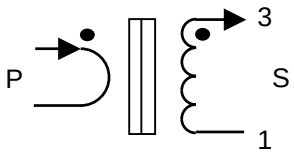
MYRRA Part N°	Sec. Turns	Max Pri. Current A rms	Rsec. Ω max	Lsec. mH min	Pulse Vsec x t max @ Frequency	Sine Vsec max @ Frequency	Typical Load/ Accuracy/ Current
74500	50	15 A	6 Ω	5	175 V.µS 20 – 200 kHz	15 V 20 – 200 kHz	50 Ω / 1% / 15 A
74501	100	25 A	1.5 Ω	20	350 V.µS 20 – 100 kHz	25 V 20 – 100 kHz	100 Ω / 1% / 25 A
74502	200	25 A	5 Ω	80	700 V.µS 20 – 100 kHz	50 V 20 – 100 kHz	200 Ω / 1% / 25 A
74503	1000	12 A	45 Ω	2000	2.5 V.ms 50 Hz	0.15V/ 50 Hz/ 12A 0.6V/ 50 Hz/ 8A	≤ 10 Ω / 2% / 12 A ≤ 40 Ω / 2% / 8 A
74504	750	10 A	35 Ω	1100	2.0 V.ms 50 Hz	0.13V/ 50 Hz/ 10A 0.3V/ 50 Hz/ 5A	≤ 10 Ω / 2% / 10 A ≤ 40 Ω / 2% / 5 A

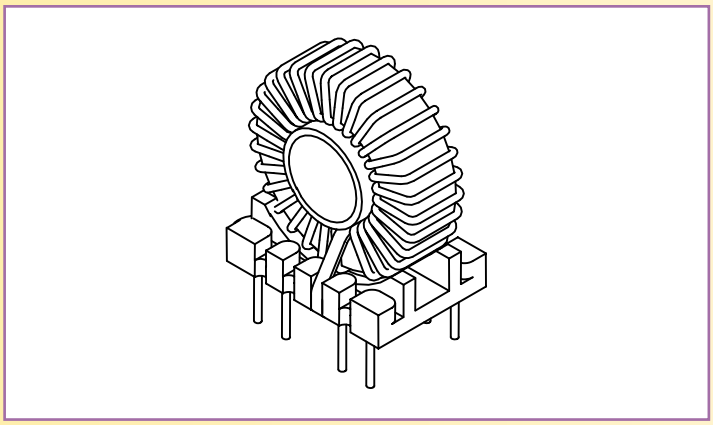
Data applies for one primary turn (single passage of primary wire through toroid hole).
Sensitivity can be increased for lower currents by winding more than one turn.

74500 / 74501 / 74502
74503 / 74504





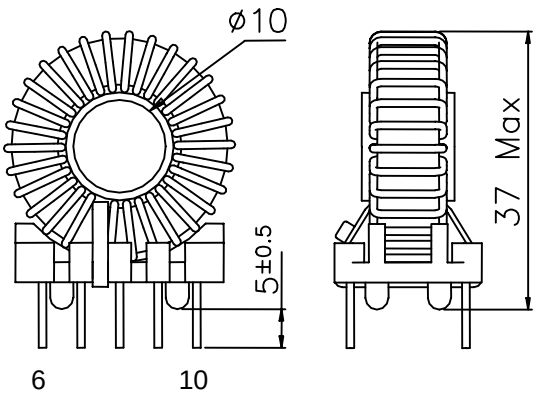


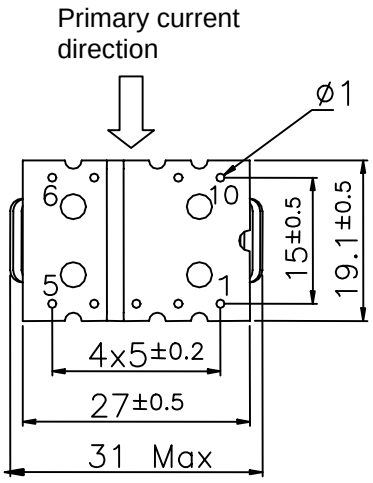


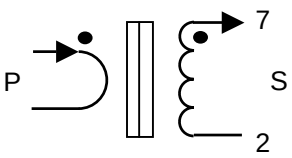
MYRRA Part N°	Sec. Turns	Max Pri. Current A rms	Rsec. Ω max	Lsec. mH min	Pulse Vsec x t max @ Frequency	Sine Vsec max @ Frequency	Typical Load/ Accuracy/ Current
74510	100	150 A	0.25Ω	40	1 V.ms/ 20 kHz 700 V µs/ 100 kHz	50 V/ 20 kHz 80 V/ 100 kHz	1 - 20 Ω / 1%
74511	1000	60 A	32 Ω	4000	10 V.ms/ 50 Hz	0.6 V/ 50 Hz/ 60 A 1 V/ 50 Hz/ 40 A	≤ 10 Ω / 1% / 60 A ≤ 20 Ω / 1% / 40 A

Data applies for one primary turn (single passage of primary wire through toroid hole).
Sensitivity can be increased for lower currents by winding more than one turn.
Models with 50, 100, 200 turns are designed for switch-mode power conversion (up to 200 kHz).
Models with 500 and 1000 turns are designed for Mains current measurement (50 to 400 Hz).

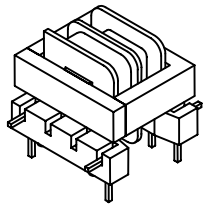
74510/ 74511







Pin 8 removed for locating



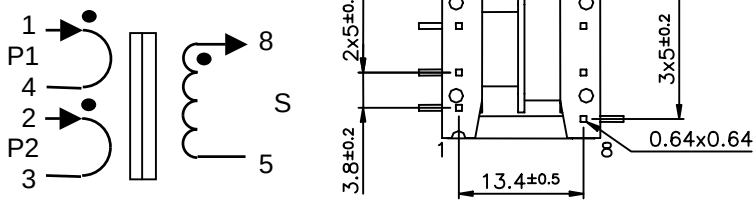
FOR SWITCH MODE POWER SUPPLIES - 20 to 150 kHz								
MYRRA Part N°	Ratio	Max Pri. Current A rms	Rsec. Ω max	Lsec. mH min	Pulse Vsec x t max	Sine Vsec rms max	Typical Load/ Accuracy/ Current	Insulation Voltage P/ S
74520	1/1/100	20 A parallel 10 A serie	1.5	8	400 V.µs	50 Vrms	10 – 100 Ω / 1% / 10 A	2500 V

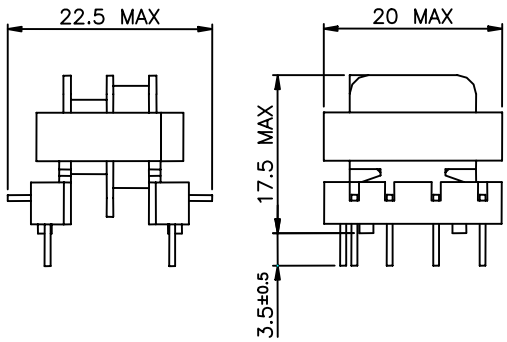
FOR MAINS AC CURRENT MEASUREMENT - 50 to 400 Hz								
MYRRA Part N°	Ratio	Max Pri. Current A rms	Rsec. Ω max	Lsec. mH min	Pulse Vsec x t max	Sine Vsec rms max	Typical Load/ Accuracy/ Current	Insulation Voltage P/ S
74521	1/1/750	20 A parallel 10 A serie	57	300	15 V.ms	3 Vrms	≤ 75 Ω / 4% / 20 A	2500 V

SAFETY :

These products are only composed of UL approved materials.
These products have a construction conform to CEI950, CEI335, CEI61558 for Basic insulation (3 mm creepage distance)

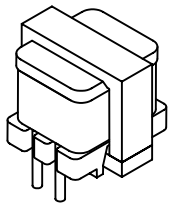
74520/ 74521





Pins 6 & 7 removed for locating
PCB drill @ Ø 1.3 mm

PIN PRIMARY TYPES

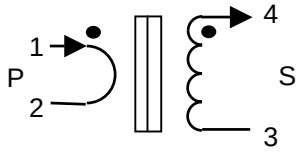


FOR MAINS AC CURRENT MEASUREMENT - 50 to 400 Hz								
MYRRA Part N°	Ratio	Max Pri. Current A rms	Rsec. Ω max	Lsec. mH min	Pulse Vsec x t max	Sine Vsec rms max	Typical Load/ Accuracy/ Current	Insulation Voltage P/ S
74523	1/ 500	15 A	155	670	30 V.ms	6 Vrms	≤ 50 Ω / 2% / 15 A ≤ 200 Ω / 5% / 10 A	1500 V

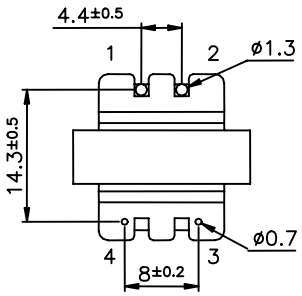
SAFETY :

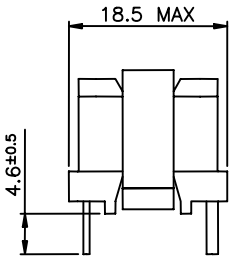
This product is only composed of UL approved materials.
This product has a construction conform to CEI950, CEI335, CEI61558 for Functional insulation

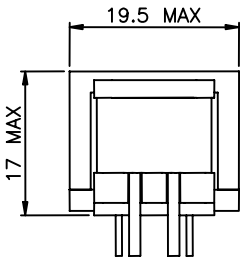
74523

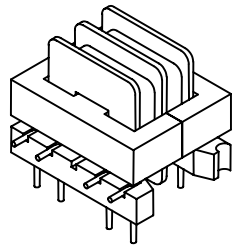


Pins 6 & 7 removed for locating
PCB drill @ Ø 1.2 & 1.8 mm









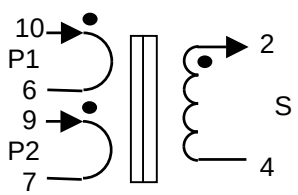
FOR SWITCH MODE POWER SUPPLIES - 20 to 150 kHz								
MYRRA Part N°	Ratio	Max Pri. Current A rms	Rsec. Ω max	Lsec. mH min	Pulse Vsec x t max	Sine Vsec rms max	Typical Load/ Accuracy/ Current	Insulation Voltage P/ S
74530	1/1/100	25 A parallel 12.5 A serie	1	10	600 V.µs	80 Vrms	10 - 100 Ω/ 1%/ 25 A	2500 V

FOR MAINS AC CURRENT MEASUREMENT - 50 to 400 Hz								
MYRRA Part N°	Ratio	Max Pri. Current A rms	Rsec. Ω max	Lsec. mH min	Pulse Vsec x t max	Sine Vsec rms max	Typical Load/ Accuracy/ Current	Insulation Voltage P/ S
74531	1/1/1000	25 A parallel 12.5 A serie	90	4 H	8 V.ms	1.6 Vrms	≤ 50 Ω / 2% / 20 A	2500 V
74533	1/ 1000	8 A	360	17 H	15 V.ms	3 Vrms	≤ 200 Ω / 1% / 8 A ≤ 500 Ω / 1.5% / 5 A	2500 V
74534	1/ 350	4 A	380	19 H	15 V.ms	3 Vrms	≤ 100 Ω / 1% / 4 A ≤ 500 Ω / 1% / 2 A	2500 V

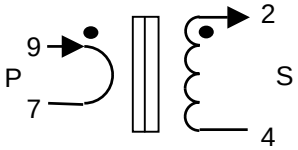
SAFETY :

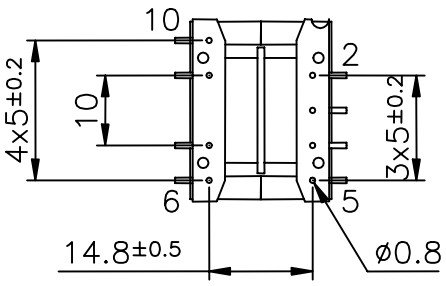
These products are only composed of UL approved materials.
These products have a construction conform to CEI950, CEI335, CEI61558 for Basic insulation (3 mm creepage distance)

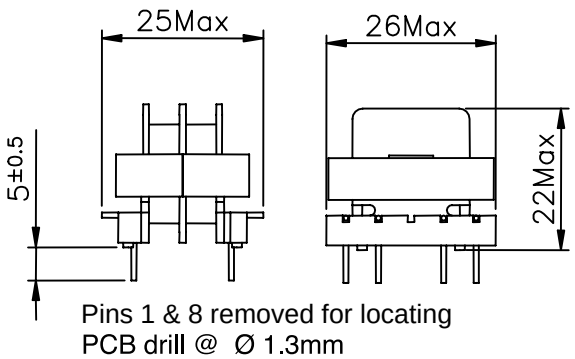
74530/ 74531

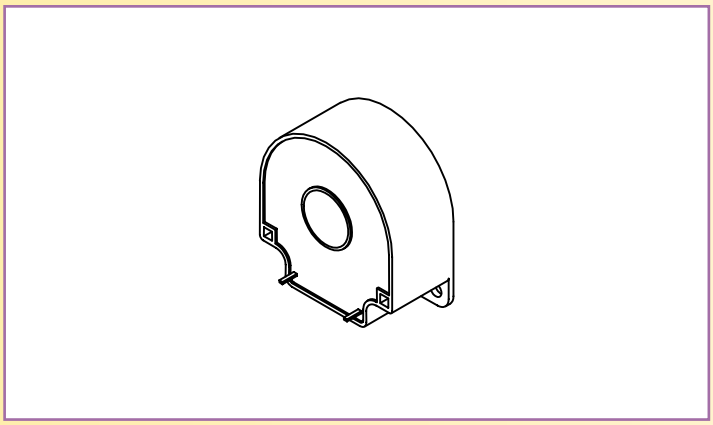


74533/ 74534





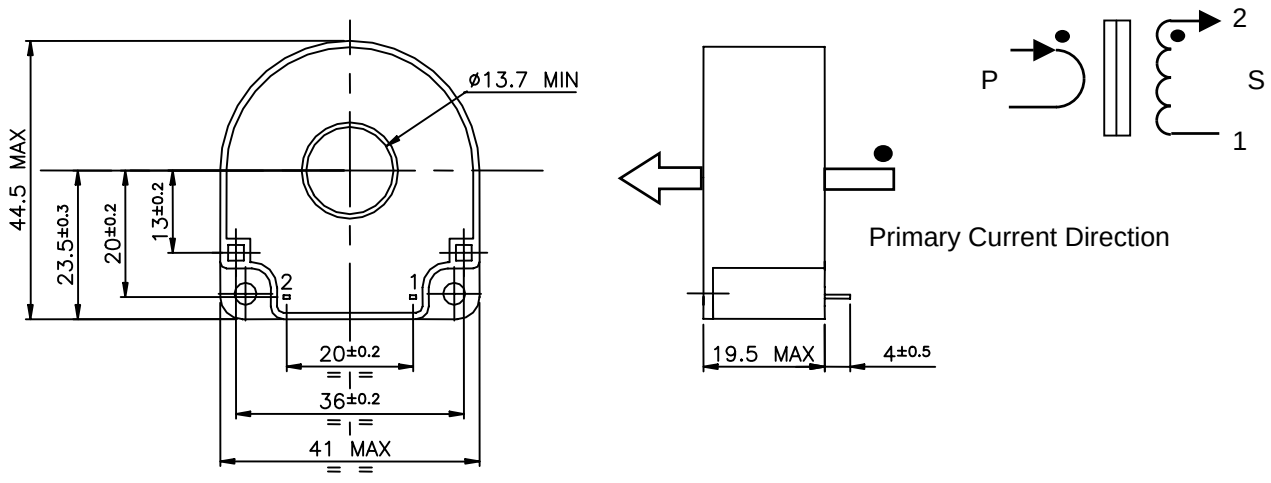


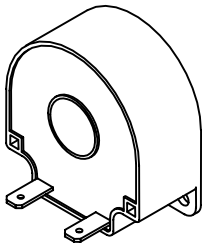


MYRRA Part N°	Sec. Turns	Max Pri. Current A rms	Rsec. Ω max	Lsec. mH min	Pulse Vsec x t max @ Frequency	Sine Vsec max @ Frequency	Typical Load/ Accuracy/ Current
74540	100	200 A	0.35Ω	50	2 V.ms/ 20 kHz 1 V.ms/ 100 kHz	150 V/ 20 kHz 150 V/ 100 kHz	1..20 Ω / 1%
74543	500	100 A	6.5 Ω	1250	10 V.ms/ 50 Hz	0.7 V/ 50Hz/ 100 A 1.2 V/ 50Hz/ 60 A	≤ 3 Ω / 1% / 100 A ≤ 10 Ω / 1% / 60 A
74546	1000	250 A	22 Ω	8000	100 V.ms/ 50 Hz	15 V/ 50 Hz/ 250 A	≤ 50 Ω / 1% / 250 A

Data applies for one primary turn (single passage of primary wire through toroid hole). Sensitivity can be increased for lower currents by winding more than one turn.

74540/ 74543/ 74546 Pin type (for PCB)

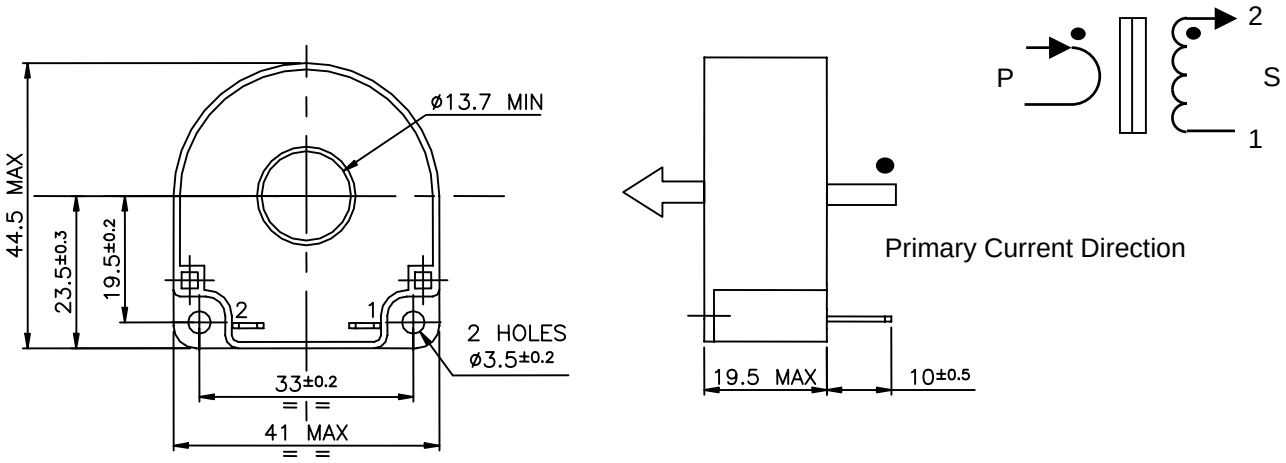


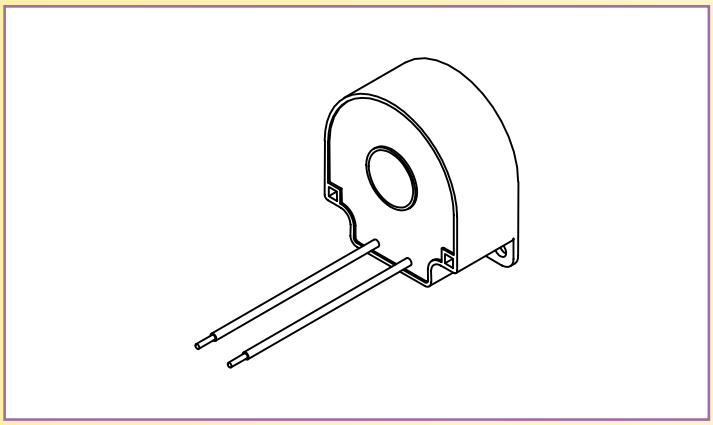


MYRRA Part N°	Sec. Turns	Max Pri. Current A rms	Rsec. Ω max	Lsec. mH min	Pulse Vsec x t max @ Frequency	Sine Vsec max @ Frequency	Typical Load/ Accuracy/ Current
74541	100	200 A	0.35Ω	50	2 V.ms/ 20 kHz 1 V.ms/ 100 kHz	150 V/ 20 kHz 150 V/ 100 kHz	1..20 Ω / 1%
74544	500	100 A	6.5 Ω	1250	10 V.ms/ 50 Hz	0.7 V/ 50Hz/ 100 A 1.2 V/ 50Hz/ 60 A	≤ 3 Ω / 1% / 100 A ≤ 10 Ω / 1% / 60 A
74547	1000	250 A	22 Ω	8000	100 V.ms/ 50 Hz	15 V/ 50 Hz/ 250 A	≤ 50 Ω / 1% / 250 A

Data applies for one primary turn (single passage of primary wire through toroid hole).
Sensitivity can be increased for lower currents by winding more than one turn.

74541/ 74544/ 74547 FASTON Connectors

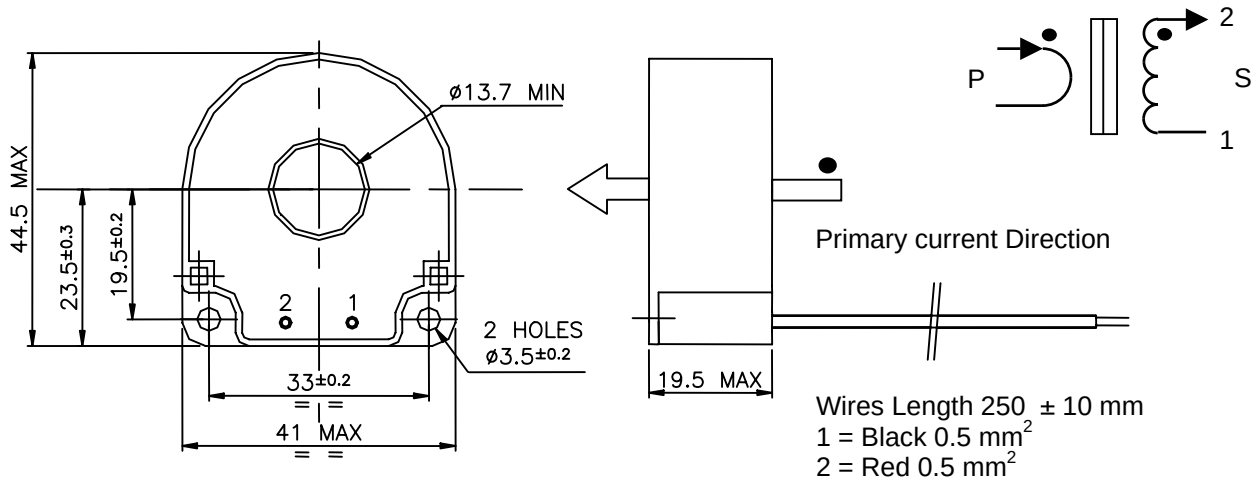


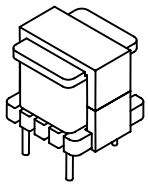


MYRRA Part N°	Sec. Turns	Max Pri. Current A rms	Rsec. Ω max	Lsec. mH min	Pulse Vsec x t max @ Frequency	Sine Vsec max @ Frequency	Typical Load/ Accuracy/ Current
74542	100	200 A	0.35Ω	50	2 V.ms/ 20 kHz 1 V.ms/ 100 kHz	150 V/ 20 kHz 150 V/ 100 kHz	1..20 Ω / 1%
74545	500	100 A	6.5 Ω	1250	10 V.ms/ 50 Hz	0.7 V/ 50Hz/ 100 A 1.2 V/ 50Hz/ 60 A	≤ 3 Ω / 1% / 100 A ≤ 10 Ω / 1% / 60 A
74548	1000	250 A	22 Ω	8000	100 V.ms/ 50 Hz	15 V/ 50 Hz/ 250 A	≤ 50 Ω / 1% / 250 A

Data applies for one primary turn (single passage of primary wire through toroid hole).
Sensitivity can be increased for lower currents by winding more than one turn.

74542/ 74545/ 74548 Wires type



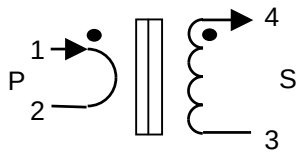


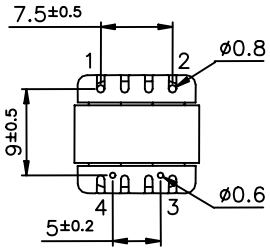
FOR SWITCH MODE POWER SUPPLIES - 20 to 150 kHz								
MYRRA Part N°	Ratio	Max Pri. Current A rms	Rsec. Ω max	Lsec. mH min	Pulse Vsec x t max	Sine Vsec rms max	Typical Load/ Accuracy/ Current	Insulation Voltage P/ S
74550	1/ 100	10	2.3	6	250 V.µs	40 Vrms	10 – 100 Ω / 1% / 10 A	1500 V

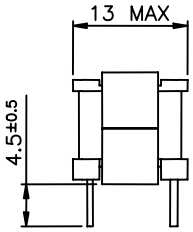
SAFETY :

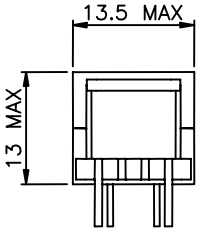
This product is only composed of UL approved materials.
This product has a construction conform to CEI950, CEI335, CEI61558 for functional insulation

74550



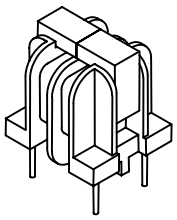


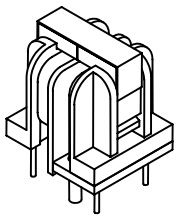




PCB drill @ Ø 1 & 1.3 mm

PIN PRIMARY TYPES





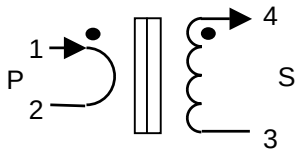
FOR SWITCH MODE POWER SUPPLIES - 20 to 150 kHz								
MYRRA Part N°	Ratio	Max Pri. Current A rms	Rsec. Ω max	Lsec. mH min	Pulse Vsec x t max	Sine Vsec rms max	Typical Load/ Accuracy/ Current	Insulation Voltage P/ S
74560	1/ 100	10	1.1	12	300 V.µs	25 Vrms	5 – 50 Ω / 1% / 10 A	4000 V
74562	1/ 100	25	1.1	12	300 V.µs	25 Vrms	5 – 50 Ω / 1% / 25 A	4000 V

FOR MAINS AC CURRENT MEASUREMENT - 50 to 400 Hz								
MYRRA Part N°	Ratio	Max Pri. Current A rms	Rsec. Ω max	Lsec. mH min	Pulse Vsec x t max	Sine Vsec rms max	Typical Load/ Accuracy/ Current	Insulation Voltage P/ S
74561	1/ 2000	8 A	400	4.5 H	5 V.ms	1 Vrms	≤ 100 Ω / 2% / 6 A	4000 V

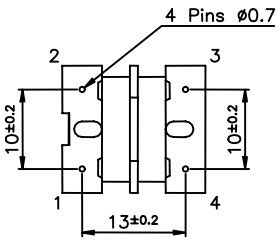
SAFETY :

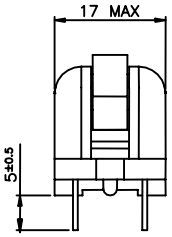
These products are only composed of UL approved materials.
These products have a construction conform to CEI950, CEI335, CEI61558 for Reinforced insulation
74560, 74561 : 8 mm creepage distance
74562 : 6 mm creepage distance

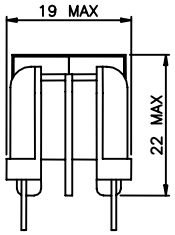
74560/ 74561



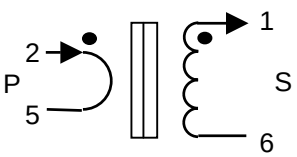
PCB drill @ Ø 1.1 & 2.2 mm



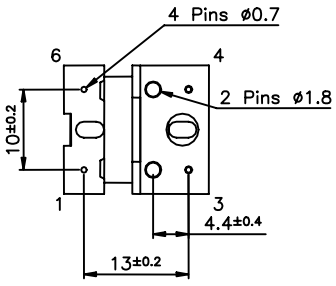


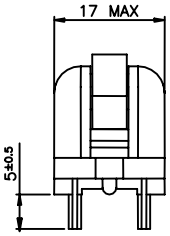


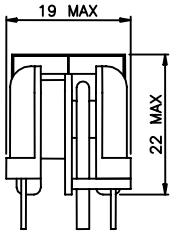
74562

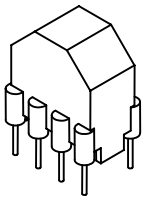


PCB drill @ Ø 1.1 & 2.2 mm







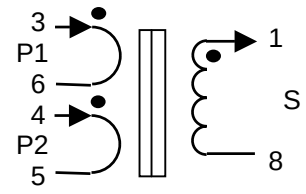


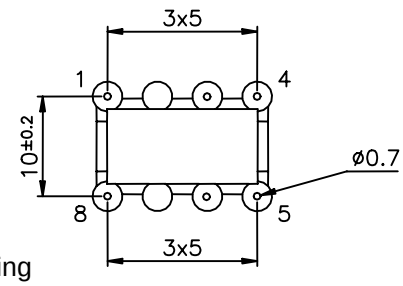
FOR SWITCH MODE POWER SUPPLIES - 20 to 150 kHz								
MYRRA Part N°	Ratio	Max Pri. Current A rms	Rsec. Ω max	Lsec. mH min	Pulse Vsec x t max	Sine Vsec rms max	Typical Load/ Accuracy/ Current	Insulation Voltage P/ S
74570	1/1/50	20 A parallel 10 A serie	0.32	9	150 V.µs	12 Vrms	5 – 25 Ω / 1% / 20 A	4000 V

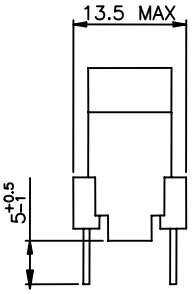
SAFETY :

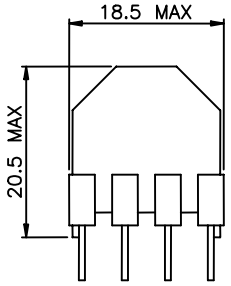
This product is only composed of UL approved materials.
This product has a construction conform to CEI950, CEI335, CEI61558 for Reinforced insulation (8 mm creepage distance)

74570



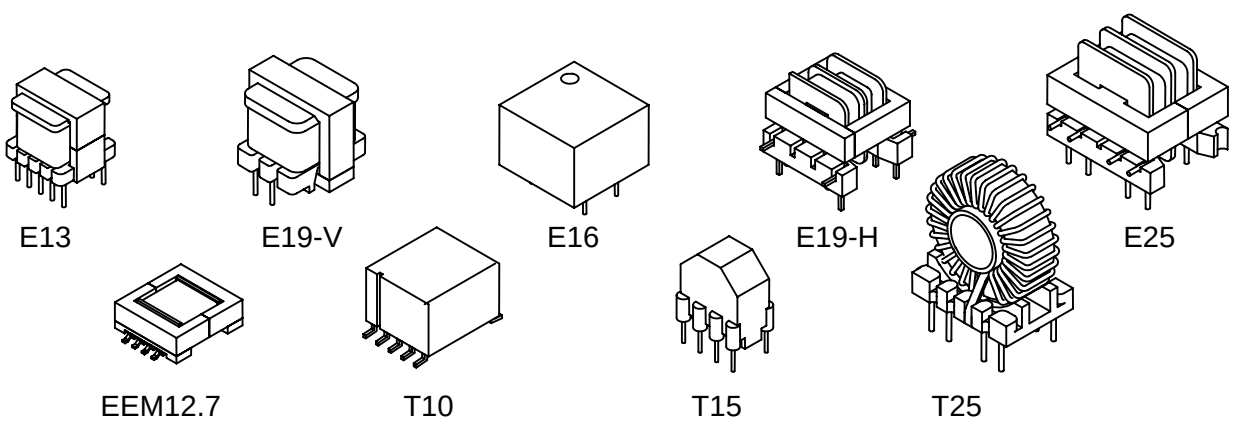






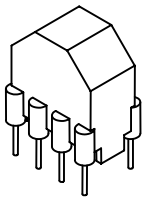
Pins 2 & 7 removed for locating
PCB drill @ Ø 1.1mm

PULSE TRANSFORMERS RANGE

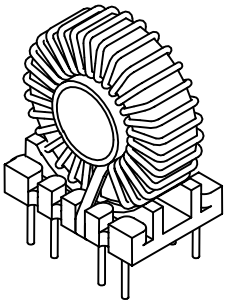


To be used for MOSFET or IGBT Drive, SCR triggering, DC/DC power conversion, Voltage isolation.

MYRRA Part N°	SIZE	Ratio	
74600	Size T15	Ratio 1 / 1 / 1	Low stray inductance
74610	Size T25	Ratio 1 / 1 / 1	Low stray inductance
74611	Size T25	Ratio 1 / 1 / 1	Low stray inductance
74620	Size E19-H	Ratio 1 / 1 / 1	Low coupling capacitance
74620	Size E19-H	Ratio 3 / 1 / 1	Low coupling capacitance
74630	Size E25	Ratio 1 / 1 / 1	Low coupling capacitance
74631	Size E25	Ratio 3 / 1 / 1	Low coupling capacitance
74640	Size E19-V	Ratio 1 / 5	For voltage step-up
74641	Size E19-V	Ratio 1 / 10	For voltage step-up
74650	Size E13	Ratio 1 / 1 / 1	Small size
74710	Size E16	Ratio 1 / 1	Low coupling capacitance
74660	Size EEM12.7	Ratio 1CT / 1.3CT	SMD
74661	Size EEM12.7	Ratio 1CT / 1CT	SMD, for DC/DC converter
74670	Size T10	Ratio 1CT / 1.3	SMD, Low stray inductance



74600



74610
74611

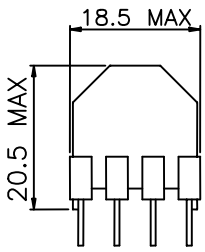
MYRRA Part N°	Ratio P/S1/S2	L pri. +/-30%	Current / winding Arms max	Resistance / winding Ω max	Pulse E x t V.µs max	square V / kHz max	C P/S pF max	Lleak P/S max	Insulation Voltage	
									P/ S	S1/S2
74600	1 / 1 / 1	4 mH	0.6	0.35	150 V.µs	0.4	20 pF	1.5 µH	4 kV	4 kV
74610	1 / 1 / 1	0.9 mH	1.7	0.07	150 V.µs	0.4	20 pF	0.8 µH	4 kV	4 kV
74611	1 / 1 / 1	3.6 mH	1.2	0.14	300 V.µs	0.8	30 pF	2.0 µH	4 kV	4 kV

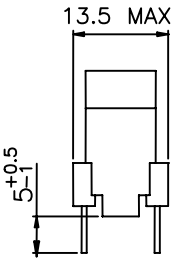
- **Toroid core gives best coupling, lowest leakage inductance, fast rise time.**

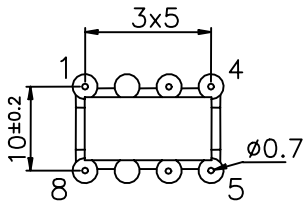
SAFETY :

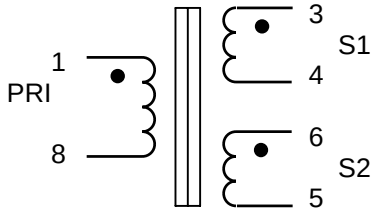
- **These products are only composed of UL-V0 approved materials.**
- **Insulation test voltage : 4000 Vrms**
- **This product has a construction conform to CEI950, CEI335, CEI61558 for Reinforced insulation (8 mm creepage distance)**

74600 Size T15



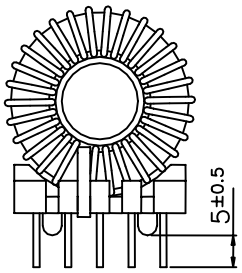


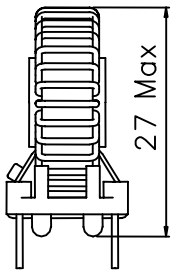


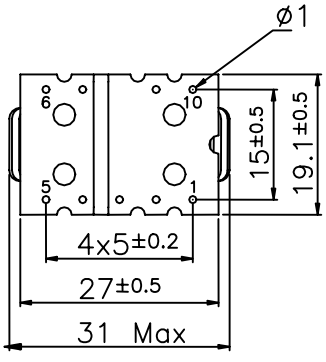


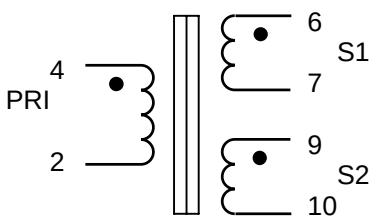
Pins 2 & 7 removed for locating PCB drill @ Ø 1.1mm Weight ≈ 6 g

74610 - 74611 Size T25

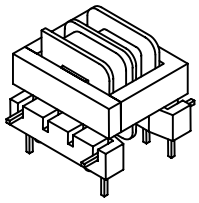




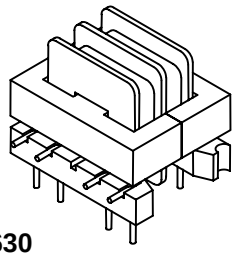




Pin 8 removed for locating PCB drill @ Ø 1.3mm Weight ≈ 18 g



74620
74621



74630
74631

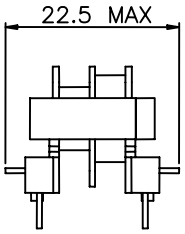
MYRRA Part N°	Ratio P/S1/S2	L pri. +/-30%	Current / winding Arms max	Resistance / winding Ω max	Pulse E x t V.µs max	square V / kHz max	C P/S pF max	Lleak P/S max	Insulation Voltage	
									P/ S	S1/S2
74620	1 / 1 / 1	3.2 mH	0.5	1.0	350 V.µs	0.6	5 pF	70 µH	2.5 kV	1.5 kV
74621	3 / 1 / 1	17 mH	0.3	2.0	800 V.µs	1.5	5 pF	400 µH	2.5 kV	1.5 kV
74630	1 / 1 / 1	2 mH	1	0.4	500 V.µs	0.8	7 pF	60 µH	2.5 kV	1.5 kV
74631	3 / 1 / 1	10 mH	0.45	0.8	1000 V.µs	1.7	7 pF	300 µH	2.5 kV	1.5 kV

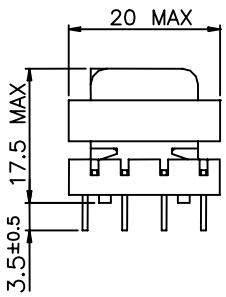
- **Principally dedicated to SCR triggering**
- **Designed for minimum coupling capacitance**

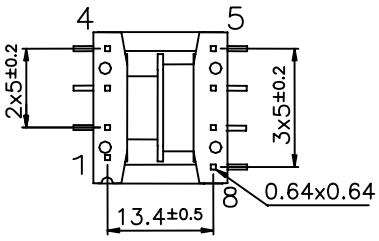
SAFETY :

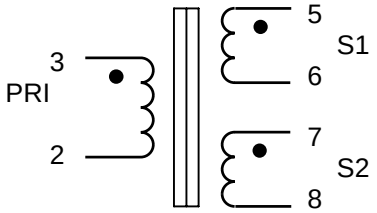
These products are only composed of UL-V0 approved materials.

74620 - 74621 Size E19-H



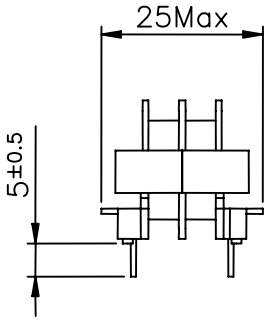


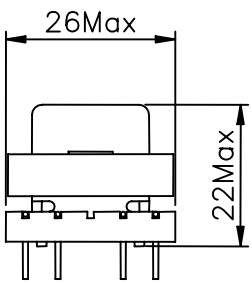


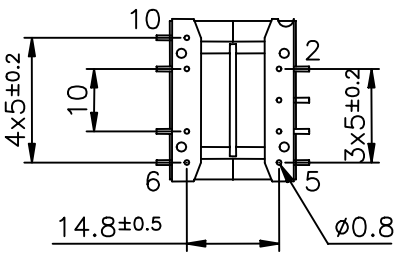


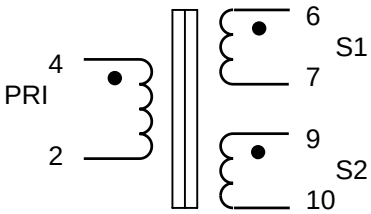
Pin 1 removed for locating PCB drill @ Ø 1.3mm Weight ≈ 12 g

74630 – 74631 Size E25

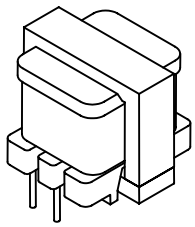








Pins 1 & 8 removed for locating PCB drill @ Ø 1.3mm Weight ≈ 20 g

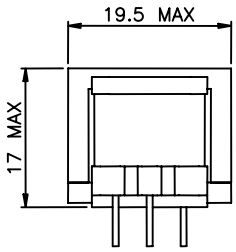


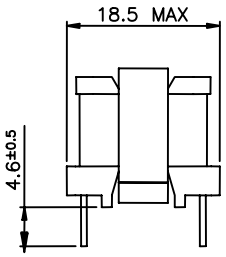
MYRRA Part N°	Ratio P/S	L pri. +/-30%	Current Arms max	Resistance Ω max	Pulse Vsec . t max	Sine Vsec. max	Insulation Voltage P/ S
74640	1 / 5	11 mH	Pri : 0.5 Sec : 0.1	Pri : 1.0 Sec : 31	16 V.ms	4 Vrms / 50 Hz 50 Vrms / 5 kHz	1500
74641	1 / 10	11 mH	Pri : 0.4 Sec : 0.04	Pri : 1.8 Sec : 80 Ω	33 V.ms	8 Vrms / 50 Hz 100 Vrms / 5 kHz	1500

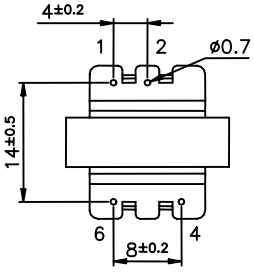
SAFETY :

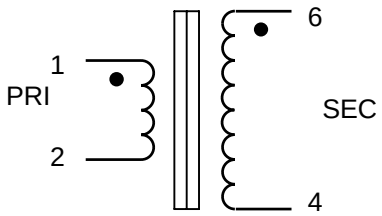
- **These products are only composed of UL-V0 approved materials.**

74640-74641 Size E19-V





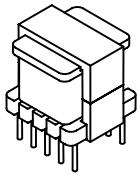




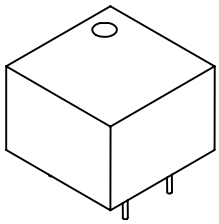
Pins 3 & 5 removed for locating

PCB drill @ Ø 1.1mm

Weight ≈ 14 g



74650



74710

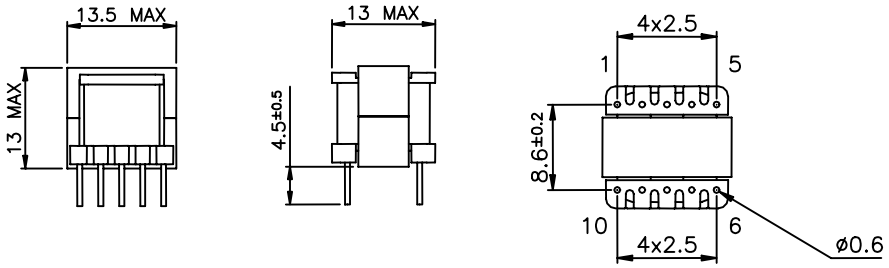
MYRRA Part N°	Ratio P/S1/S2	L pri.	Current / winding Arms max	Resistance / winding Ω max	Pulse E x t V.µs max	square V / kHz max	C P/S pF max	Lleak P/S max	Insulation Voltage	
									P/ S	S1/S2
74650	1 / 1 / 1	500 µH +/-30%	0.6	0.28	120 V.µs	20V/ 100kHz	12 pF	2 µH	1.5 kV	1.5 kV
74710	1 / 1	2 mH +/-40%	0.6	0.6	300 V.µs	50V/ 100kHz	6 pF	44 µH	4 kV	

- **74650 is principally designed for Mosfet drive in SMPS (Forward or Bridge converters)**
- **74710 is principally designed for SCR Triggering**

SAFETY :

These products are only composed of UL-V0 approved materials.
The product 74710 has a construction conform to CEI950, CEI335, CEI61558 for Reinforced insulation (8 mm creepage distance)

74650 Size E13

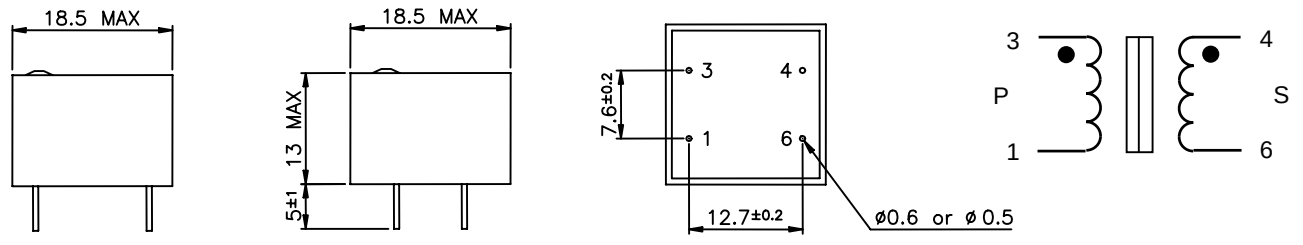


Pin 8 removed for locating

PCB drill @ Ø 1.1mm

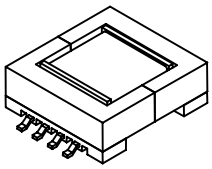
Weight ≈ 4 g

74710 Size E16

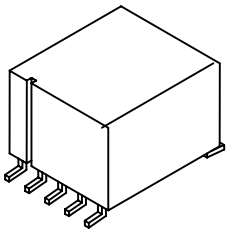


PCB drill @ Ø 1.1mm

Weight ≈ 8 g



74660



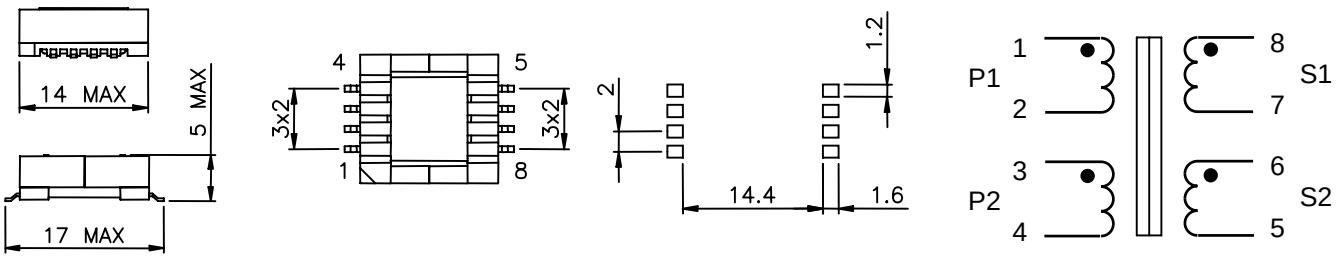
74670

MYRRA Part N°	Ratio P / S	L pri.	Current / winding max	Resistance / winding Ω max	Pulse E x t max P1 or P2	square V / kHz max P1 or P2	C P/S pF max	Lleak P/S max	Insulation Voltage P/ S
74660	1+1 / 1.3+1.3	240 µH +/-30%	0.2 Arms	0.9	50 V.µs	15V 100 – 500kHz	20 pF	0.35 µH	0.5 kV
74661	1+1 / 1+1	10 µH +/-10%	3 Apeak 0.5 Arms	0.2	30 V.µs	0.05 V / kHz 100 – 400kHz	20 pF	0.2 µH	0.5 kV
74670	1+1 /1.3	220 µH +/-30%	0.4 Arms	0.25	15 V.µs	0.03 V / kHz 100 – 500kHz	12 pF	0.4 µH	4 kV

- **74660 can be used in association with MAXIM MAX250 or MAX253**
- **74661 can be used in association with LINEAR TECHNOLOGY LT1424**
- **74660 can be used in association with MAXIM MAX485**

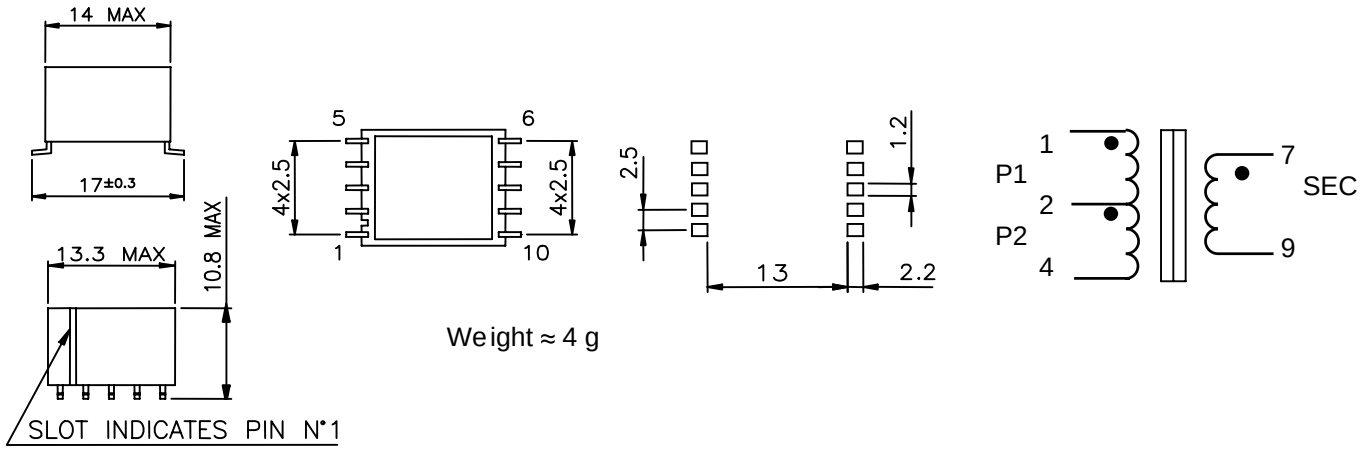
SAFETY :
These products are only composed of UL-V0 approved materials.

74660 – 74661 Size EEM12.7



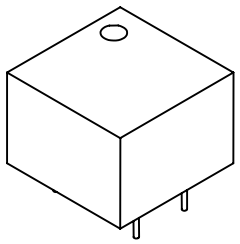
Weight ≈ 3 g

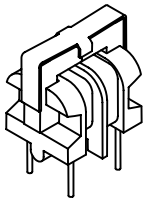
74670 – 74714 Size T10

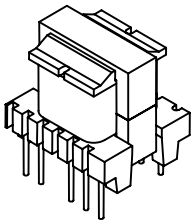


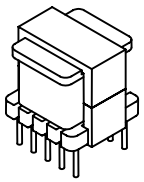
Weight ≈ 4 g

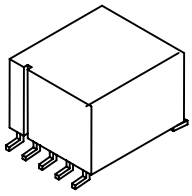
POWER LINE COMMUNICATION
COUPLING TRANSFORMERS


74710


74711


74712


74713


74714 - 74715

- **Designed for coupling signals to power line**
- **Adapted for use with Modem Circuits : ST7537 or TDA5051 or IC/SS**

- **Models 74710 and 74711 are designed for resonance at 132.5 kHz between the series coupling capacitor (33nF) and the transformer leakage inductance.**

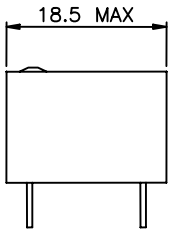
- **Models 74712 and 74713 are designed for resonance at 132.5 kHz between the capacitor (6.8nF or 10nF) in parallel with the primary magnetizing inductance.**

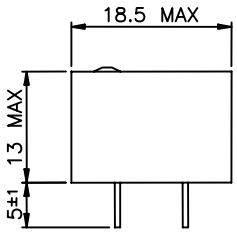
MYRRA Part N°	Primary Inductance (µH)	Leakage Inductance (µH)	Resistance per winding P / S (max)	Frequency range	Turns ratio P / S	Max Sec. current (50-60Hz rms)	Insulation (Vrms)	Size
74710	2.0 mH +/-40% (1 – 3)	44 +/-7%	0.6 Ω / 0.6 Ω	10 – 450kHz	1 / 1	10 mA	4000	EF16-H-4P
74711	2.9 mH +/-40% (1 –2)	44 +/-7%	1 Ω / 1 Ω	10 – 200kHz	1 / 1	4 mA	1500	U9.8-4P
74712	212 µH +/-10% (2 – 5)	< 5 µH (2 – 5)	0.8 Ω / 0.04 Ω	10kHz – 1MHz	5+1 / 1	500 mA	4000	E16-V-10P
74713	144 µH +/-10% (2 – 5)	< 5µH	0.5 Ω / 0.5 Ω	10 – 450kHz	5+1 / 5+1	200 mA	1500	E13-V-10P
74714	1.3 mH +/-40% (2 – 4)	< 0.5µH	0.2 Ω / 0.2 Ω	10 – 200kHz	1 / 1	4 mA	5500	T10-SMD
74715	3.0µH +/-25% (2 – 4)	< 0.1 µH	0.06 Ω / 0.1 Ω	1 – 20 MHz	2 / 1+1	200 mA	4000	T10-SMD

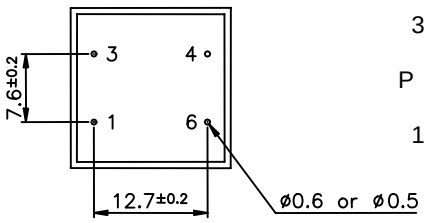
Safety :

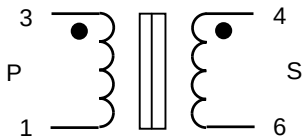
All products meet IEC 60950 and IEC60558 requirements
74710, 74714 and 74715 : reinforced insulation, creepage distance > 8 mm
74712 : reinforced insulation, creepage distance > 6 mm
74711, 74713 : Functionnal insulation

74710

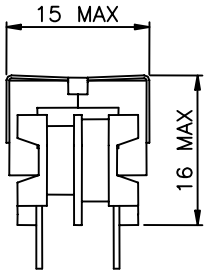


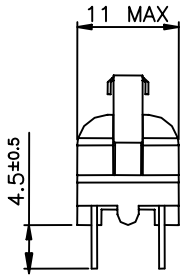


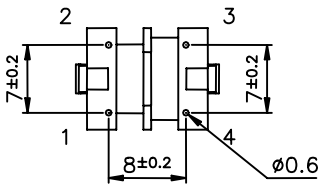


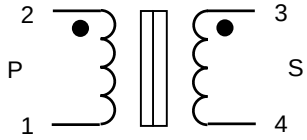


74711

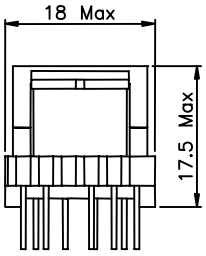


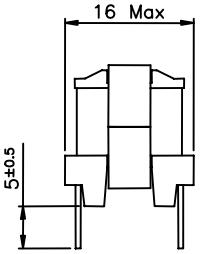


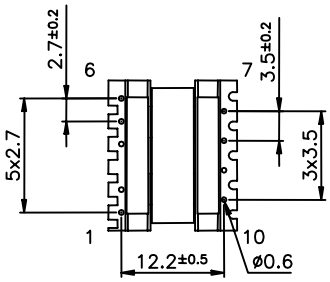


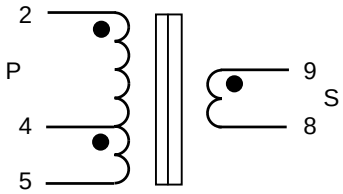


74712

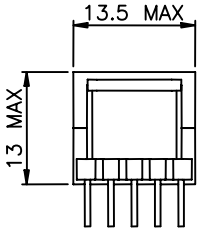


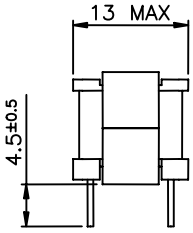


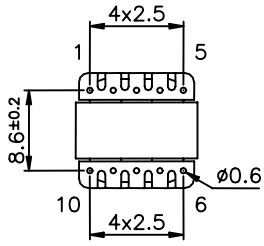


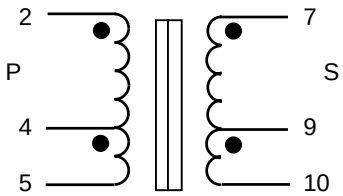


74713









74714, 74715