

**AXIAL FIXED INDUCTORS / DLA TYPE**

**FEATURES**

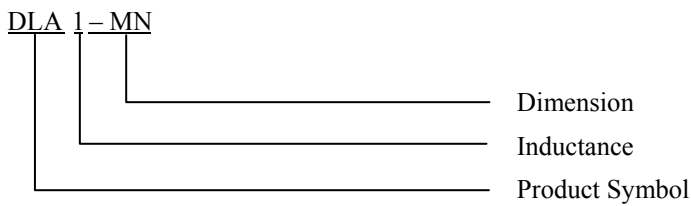
- ◆ Wide inductance range
- ◆ Ideal for auto insertion
- ◆ Conformal coated inductors
- ◆ Epoxy resin coating makes it high reliability
- ◆ Special magnetic core structure contributes to high Q and Self-Resonant Frequencies



**APPLICATIONS**

- ◆ RF coils
- ◆ Choke coils
- ◆ Peaking coils

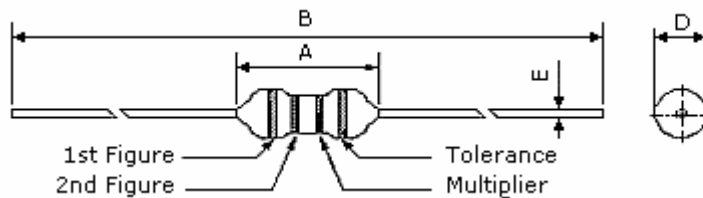
**ORDERING CODE**



**NOMINAL INDUCTANCE**

Model	Black (BK)	Brown (BN)	Red (R)	Orange (O)	Yellow (Y)	Green (GN)	Blue (BE)	Violet (V)	Gray (GY)	White (W)	Silver (S)	Gold (GD)	Example
													470 uH ±10%
<b>First Figure</b>	0	1	2	3	4	5	6	7	8	9	-	-	Yellow
<b>Second Figure</b>													Violet
<b>Multiplier</b>	1	10	100	1000	-	-	-	-	-	-	0.01	0.10	Brown
<b>Tolerance</b>	±20%	-	-	-	-	-	-	-	-	-	±10%	±5%	Silver

**SHAPES & DIMENSIONS (UNIT: mm)**



Part No.	A (Max)	B (±2.0)	D (Max)	E (±0.05)
<b>DLA_ - MN</b>	4.0	62	2.8	0.55
<b>DLA_ - N</b>	8.0	62	3.0	0.55
<b>DLA_</b>	11.0	62	4.0	0.65
<b>DLA_ - M</b>	12.0	62	5.0	0.65

## AXIAL FIXED INDUCTORS / DLA TYPE

### ELECTRICAL CHARACTERISTICS FOR DLA\_-MN

Part No.	Inductance (uH)	Quality Factor (Min)	Test Freq. (MHz)	SRF (MHz) Min	DCR (Ω) Max	IDC (mA) Max	Color Code			
							1 <sup>ST</sup>	2 <sup>ND</sup>	3 <sup>RD</sup>	4 <sup>TH</sup>
DLA0.1-MN	0.10	50	25.2	250	0.030	700	BN	BK	S	-
DLA0.12-MN	0.12	55	25.2	230	0.035	660	BN	R	S	-
DLA0.15-MN	0.15	55	25.2	200	0.040	620	BN	GN	S	-
DLA0.18-MN	0.18	55	25.2	180	0.045	600	BN	GY	S	-
DLA0.22-MN	0.22	55	25.2	160	0.050	400	R	R	S	-
DLA0.27-MN	0.27	50	25.2	150	0.065	380	R	V	S	-
DLA0.33-MN	0.33	50	25.2	150	0.075	370	O	O	S	-
DLA0.39-MN	0.39	50	25.2	150	0.080	350	O	W	S	-
DLA0.47-MN	0.47	60	25.2	150	0.085	330	Y	V	S	-
DLA0.56-MN	0.56	60	25.2	150	0.090	320	GN	BE	S	-
DLA0.68-MN	0.68	50	25.2	120	0.10	310	BE	GY	S	-
DLA0.82-MN	0.82	50	25.2	110	0.15	290	GY	R	S	-
DLA1-MN	1.00	50	25.2	110	0.22	270	BN	BK	GD	-
DLA1.2-MN	1.20	40	7.96	100	0.30	260	BN	R	GD	-
DLA1.5-MN	1.50	40	7.96	80	0.35	250	BN	GN	GD	-
DLA1.8-MN	1.80	40	7.96	65	0.45	240	BN	GY	GD	-
DLA2.2-MN	2.20	40	7.96	55	0.55	230	R	R	GD	-
DLA2.7-MN	2.70	40	7.96	50	0.60	220	R	V	GD	-
DLA3.3-MN	3.30	40	7.96	42	0.65	210	O	O	GD	-
DLA3.9-MN	3.90	45	7.96	38	0.85	200	O	W	GD	-
DLA4.7-MN	4.70	45	7.96	34	1.00	190	Y	V	GD	-
DLA5.6-MN	5.60	45	7.96	32	1.15	180	GN	BE	GD	-
DLA6.8-MN	6.80	40	7.96	30	1.20	175	BE	GY	GD	-
DLA8.2-MN	8.20	40	7.96	26	1.25	165	GY	R	GD	-
DLA10-MN	10	40	7.96	24	1.5	160	BN	BK	BK	-
DLA12-MN	12	50	2.52	22	2.2	150	BN	R	BK	-
DLA15-MN	15	50	2.52	20	2.5	145	BN	GN	BK	-
DLA18-MN	18	50	2.52	18	2.8	140	BN	GY	BK	-
DLA22-MN	22	50	2.52	17	3.0	130	R	R	BK	-
DLA27-MN	27	55	2.52	14	3.5	80	R	V	BK	-
DLA33-MN	33	55	2.52	14	3.8	76	O	O	BK	-
DLA39-MN	39	50	2.52	13	4.2	76	O	W	BK	-
DLA47-MN	47	50	2.52	12	5.8	70	Y	V	BK	-
DLA56-MN	56	50	2.52	11	6.4	68	GN	BE	BK	-
DLA68-MN	68	50	2.52	10	7.2	64	BE	GY	BK	-
DLA82-MN	82	50	2.52	9.5	8.5	46	GY	R	BK	-
DLA100-MN	100	50	2.52	8.0	11	44	BN	BK	BN	-
DLA120-MN	120	30	0.796	6.5	19	42	BN	R	BN	-
DLA150-MN	150	30	0.796	6.0	22	39	BN	GN	BN	-
DLA180-MN	180	30	0.796	5.2	24	37	BN	GY	BN	-
DLA220-MN	220	30	0.796	4.5	28	35	R	R	BN	-
DLA270-MN	270	30	0.796	3.5	29	28	R	V	BN	-
DLA330-MN	330	30	0.796	3.0	30	26	O	O	BN	-
DLA390-MN	390	30	0.796	2.7	32	25	O	W	BN	-
DLA470-MN	470	30	0.796	2.6	35	24	Y	V	BN	-
DLA560-MN	560	30	0.796	2.5	40	23	GN	BE	BN	-
DLA680-MN	680	30	0.796	2.2	42	22	BE	GY	BN	-
DLA820-MN	820	30	0.796	2.1	46	21	GY	R	BN	-
DLA1000-MN	1000	30	0.796	2.0	52	20	BN	BK	R	-

## AXIAL FIXED INDUCTORS / DLA TYPE

### ELECTRICAL CHARACTERISTICS FOR DLA -N

Part No.	Inductance (uH)	Quality Factor (Min)	Test Freq. (MHz)	SRF (MHz) Min	DCR ( $\Omega$ ) Max	IDC (mA) Max	COLOR CODE			
							1 <sup>ST</sup>	2 <sup>ND</sup>	3 <sup>RD</sup>	4 <sup>TH</sup>
DLA0.1-N	0.10	40	25.2	470	0.08	700	BN	BK	S	S
DLA0.12-N	0.12	40	25.2	450	0.08	700	BN	R	S	S
DLA0.15-N	0.15	40	25.2	430	0.09	700	BN	GN	S	S
DLA0.18-N	0.18	40	25.2	410	0.10	700	BN	GY	S	S
DLA0.22-N	0.22	40	25.2	380	0.12	700	R	R	S	S
DLA0.27-N	0.27	40	25.2	360	0.15	680	R	V	S	S
DLA0.33-N	0.33	40	25.2	350	0.16	680	O	O	S	S
DLA0.39-N	0.39	40	25.2	320	0.18	680	O	W	S	S
DLA0.47-N	0.47	40	25.2	300	0.26	650	Y	V	S	S
DLA0.56-N	0.56	40	25.2	280	0.38	500	GN	BE	S	S
DLA0.68-N	0.68	40	25.2	250	0.42	500	BE	GY	S	S
DLA0.82-N	0.82	40	25.2	200	0.55	450	GY	R	S	S
DLA1-N	1.00	65	25.2	180	0.12	700	BN	BK	GD	S
DLA1.2-N	1.20	50	7.96	165	0.18	740	BN	R	GD	S
DLA1.5-N	1.50	50	7.96	150	0.20	700	BN	GN	GD	S
DLA1.8-N	1.80	70	7.96	125	0.23	655	BN	GY	GD	S
DLA2.2-N	2.20	50	7.96	85	0.25	630	R	R	GD	S
DLA2.7-N	2.70	60	7.96	95	0.28	595	R	V	GD	S
DLA3.3-N	3.30	60	7.96	75	0.30	575	O	O	GD	S
DLA3.9-N	3.90	60	7.96	65	0.32	555	O	W	GD	S
DLA4.7-N	4.70	50	7.96	50	0.35	530	Y	V	GD	S
DLA5.6-N	5.60	50	7.96	40	0.40	500	GN	BE	GD	S
DLA6.8-N	6.80	50	7.96	30	0.45	470	BE	GY	GD	S
DLA8.2-N	8.20	50	7.96	28	0.55	425	GY	R	GD	S
DLA10-N	10	50	7.96	22	0.72	370	BN	BK	BK	S
DLA12-N	12	50	2.52	20	0.80	350	BN	R	BK	S
DLA15-N	15	50	2.52	16	0.88	335	BN	GN	BK	S
DLA18-N	18	50	2.52	15	1.00	315	BN	GY	BK	S
DLA22-N	22	60	2.52	13	1.20	285	R	R	BK	S
DLA27-N	27	60	2.52	11	1.35	270	R	V	BK	S
DLA33-N	33	50	2.52	10	1.50	255	O	O	BK	S
DLA39-N	39	50	2.52	9.50	1.70	240	O	W	BK	S
DLA47-N	47	60	2.52	8.50	2.30	205	Y	V	BK	S
DLA56-N	56	60	2.52	7.50	2.60	195	GN	BE	BK	S
DLA68-N	68	60	2.52	6.50	3.20	185	BE	GY	BK	S
DLA82-N	82	55	2.52	6.00	3.50	175	GY	R	BK	S
DLA100-N	100	60	2.52	5.50	3.80	165	BN	BK	BN	S
DLA120-N	120	75	0.796	5.40	3.80	160	BN	R	BN	S
DLA150-N	150	75	0.796	4.75	4.40	150	BN	GN	BN	S
DLA180-N	180	75	0.796	4.35	5.00	140	BN	GY	BN	S
DLA220-N	220	75	0.796	4.00	5.70	130	R	R	BN	S
DLA270-N	270	70	0.796	3.70	6.50	120	R	V	BN	S
DLA330-N	330	70	0.796	3.40	9.50	100	O	O	BN	S
DLA390-N	390	70	0.796	2.80	10.5	95	O	W	BN	S
DLA470-N	470	70	0.796	2.60	12.5	90	Y	V	BN	S
DLA560-N	560	70	0.796	2.40	14.5	85	GN	BE	BN	S
DLA680-N	680	70	0.796	2.00	18.0	75	BE	GY	BN	S
DLA820-N	820	60	0.796	1.60	23.7	65	GY	R	BN	S
DLA1000-N	1000	60	0.796	1.15	30.0	60	BN	BK	R	S

## AXIAL FIXED INDUCTORS / DLA TYPE

### ELECTRICAL CHARACTERISTICS FOR DLA

Part No.	Inductance (uH)	Quality Factor (Min)	Test Freq. (MHz)	SRF (MHz) Min	DCR (Ω) Max	IDC (mA) Max	COLOR CODE			
							1 <sup>ST</sup>	2 <sup>ND</sup>	3 <sup>RD</sup>	4 <sup>TH</sup>
DLA0.1	0.10	50	25.2	470	0.04	900	BN	BK	S	S
DLA0.12	0.12	50	25.2	450	0.06	900	BN	R	S	S
DLA0.15	0.15	50	25.2	430	0.07	890	BN	GN	S	S
DLA0.18	0.18	50	25.2	410	0.07	890	BN	GY	S	S
DLA0.22	0.22	50	25.2	380	0.08	880	R	R	S	S
DLA0.27	0.27	50	25.2	340	0.09	800	R	V	S	S
DLA0.33	0.33	50	25.2	300	0.10	750	O	O	S	S
DLA0.39	0.39	50	25.2	280	0.12	680	O	W	S	S
DLA0.47	0.47	50	25.2	250	0.16	650	Y	V	S	S
DLA0.56	0.56	50	25.2	230	0.18	600	GN	BE	S	S
DLA0.68	0.68	50	25.2	210	0.22	550	BE	GY	S	S
DLA0.82	0.82	50	25.2	172	0.24	980	GY	R	S	S
DLA1	1.00	50	25.2	157	0.09	920	BN	BK	GD	S
DLA1.2	1.20	50	7.96	144	0.10	880	BN	R	GD	S
DLA1.5	1.50	55	7.96	131	0.23	830	BN	GN	GD	S
DLA1.8	1.80	60	7.96	121	0.25	790	BN	GY	GD	S
DLA2.2	2.20	80	7.96	110	0.28	750	R	R	GD	S
DLA2.7	2.70	85	7.96	100	0.30	720	R	V	GD	S
DLA3.3	3.30	90	7.96	94	0.34	670	O	O	GD	S
DLA3.9	3.90	90	7.96	86	0.37	640	O	W	GD	S
DLA4.7	4.70	90	7.96	80	0.39	620	Y	V	GD	S
DLA5.6	5.60	80	7.96	74	0.43	590	GN	BE	GD	S
DLA6.8	6.80	80	7.96	58	0.48	550	BE	GY	GD	S
DLA8.2	8.20	85	7.96	53	0.52	530	GY	R	GD	S
DLA10	10	85	7.96	45	0.58	500	BN	BK	BK	S
DLA12	12	75	2.52	30	0.63	480	BN	R	BK	S
DLA15	15	75	2.52	20	0.72	460	BN	GN	BK	S
DLA18	18	70	2.52	14	0.77	430	BN	GY	BK	S
DLA22	22	65	2.52	9.90	0.84	410	R	R	BK	S
DLA27	27	65	2.52	7.60	0.94	390	R	V	BK	S
DLA33	33	55	2.52	6.30	1.03	370	O	O	BK	S
DLA39	39	55	2.52	6.30	1.12	350	O	W	BK	S
DLA47	47	45	2.52	6.30	1.22	340	Y	V	BK	S
DLA56	56	45	2.52	6.20	1.34	320	GN	BE	BK	S
DLA68	68	40	2.52	5.70	1.47	305	BE	GY	BK	S
DLA82	82	35	2.52	5.30	1.62	290	GY	R	BK	S
DLA100	100	30	2.52	4.80	1.80	275	BN	BK	BN	S
DLA120	120	70	0.796	3.80	3.70	185	BN	R	BN	S
DLA150	150	80	0.796	3.50	4.20	175	BN	GN	BN	S
DLA180	180	80	0.796	3.30	4.60	165	BN	GY	BN	S
DLA220	220	70	0.796	3.00	5.10	155	R	R	BN	S
DLA270	270	70	0.796	2.80	5.80	145	R	V	BN	S
DLA330	330	65	0.796	2.60	6.40	137	O	O	BN	S
DLA390	390	65	0.796	2.40	7.00	133	O	W	BN	S
DLA470	470	60	0.796	2.25	7.70	126	Y	V	BN	S
DLA560	560	60	0.796	2.10	8.50	120	GN	BE	BN	S
DLA680	680	55	0.796	1.95	12.0	113	BE	GY	BN	S
DLA820	820	55	0.796	1.85	12.0	100	GY	R	BN	S
DLA1000	1000	50	0.796	1.40	17.0	100	BN	BK	R	S
DLA1500	1500	-	-	-	25.0	100	BN	GN	R	S
DLA2200	2200	-	-	-	34.0	80	R	R	R	S
DLA3300	3300	-	-	-	50.0	60	O	O	R	S
DLA3900	3900	-	-	-	59.2	55	O	W	R	S

## AXIAL FIXED INDUCTORS / DLA TYPE

### ELECTRICAL CHARACTERISTICS FOR DLA -M

Part No.	Inductance (uH)	Quality Factor (Min)	Test Freq. (KHz)	Q Test Freq. (KHz)	DCR (Ω) Max	IDC (mA) Max	COLOR CODE			
							1 <sup>ST</sup>	2 <sup>ND</sup>	3 <sup>RD</sup>	4 <sup>TH</sup>
<b>DLA1200-M</b>	1200	80	1	252	9	75	BN	R	R	S
<b>DLA1500-M</b>	1500	80	1	252	10	69	BN	GN	R	S
<b>DLA1800-M</b>	1800	80	1	252	11	60	BN	GY	R	S
<b>DLA2200-M</b>	2200	80	1	252	14	58	R	R	R	S
<b>DLA2700-M</b>	2700	80	1	252	18	52	R	V	R	S
<b>DLA3300-M</b>	3300	80	1	252	22	48	O	O	R	S
<b>DLA3900-M</b>	3900	80	1	252	26	45	O	W	R	S
<b>DLA4700-M</b>	4700	80	1	252	32	40	Y	V	R	S
<b>DLA5600-M</b>	5600	70	1	252	34	37	GN	BE	R	S
<b>DLA6800-M</b>	6800	70	1	252	45	34	BE	GY	R	S
<b>DLA8200-M</b>	8200	50	1	252	60	31	GY	R	R	S
<b>DLA10000-M</b>	10000	50	1	79.6	70	28	BN	BK	O	S
<b>DLA12000-M</b>	12000	50	1	79.6	82	24	BN	R	O	S
<b>DLA15000-M</b>	15000	50	1	79.6	89	22	BN	GN	O	S
<b>DLA18000-M</b>	18000	40	1	79.6	141	14	BN	GY	O	S
<b>DLA22000-M</b>	22000	40	1	79.6	170	12	R	R	O	S
<b>DLA25000-M</b>	25000	40	1	79.6	185	11	R	GN	O	S
<b>DLA27000-M</b>	27000	40	1	79.6	210	9.5	R	V	O	S
<b>DLA30000-M</b>	30000	40	1	79.6	240	8.5	O	BK	O	S
<b>DLA33000-M</b>	33000	40	1	79.6	250	8.0	O	O	O	S