FERROCORE

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

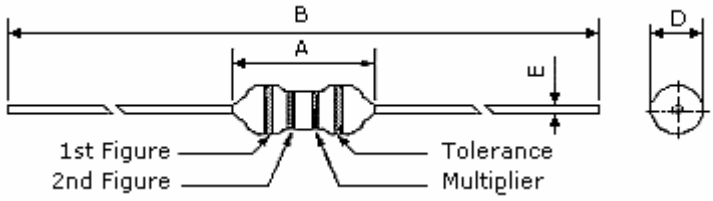
DLA 1 – MN

- MN: Dimension
- 1: Inductance
- DLA: Product Symbol

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%
First Figure	0	1	2	3	4	5	6	7	8	9	-	-	Yellow
Second Figure													Violet
Multiplier	1	10	100	1000	-	-	-	-	-	-	0.01	0.10	Brown
Tolerance	±20%	-	-	-	-	-	-	-	-	-	±10%	±5%	Silver

SHAPES & DIMENSIONS (UINT: mm)



Part No.	A (Max)	B (±2.0)	D (Max)	E (±0.05)
DLA_- MN	4.0	62	2.8	0.55
DLA_- N	8.0	62	3.0	0.55
DLA_	11.0	62	4.0	0.65
DLA_- M	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			
							1ST	2ND	3RD	4TH
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	-

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ELECTRICAL CHARACTERISTICS FOR DLA_-N

Part No.	Inductance (uH)	Quality Factor (Min)	Test Freq. (MHz)	SRF (MHz) Min	DCR (Ω) Max	IDC (mA) Max	COLOR CODE			
							1ST	2ND	3RD	4TH
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			
							1ST	2ND	3RD	4TH
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	9.40	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			
							1ST	2ND	3RD	4TH
DLA1200-M	1200	80	1	252	9	75	BN	R	R	S
DLA1500-M	1500	80	1	252	10	69	BN	GN	R	S
DLA1800-M	1800	80	1	252	11	60	BN	GY	R	S
DLA2200-M	2200	80	1	252	14	58	R	R	R	S
DLA2700-M	2700	80	1	252	18	52	R	V	R	S
DLA3300-M	3300	80	1	252	22	48	O	O	R	S
DLA3900-M	3900	80	1	252	26	45	O	W	R	S
DLA4700-M	4700	80	1	252	32	40	Y	V	R	S
DLA5600-M	5600	70	1	252	34	37	GN	BE	R	S
DLA6800-M	6800	70	1	252	45	34	BE	GY	R	S
DLA8200-M	8200	50	1	252	60	31	GY	R	R	S
DLA10000-M	10000	50	1	79.6	70	28	BN	BK	O	S
DLA12000-M	12000	50	1	79.6	82	24	BN	R	O	S
DLA15000-M	15000	50	1	79.6	89	22	BN	GN	O	S
DLA18000-M	18000	40	1	79.6	141	14	BN	GY	O	S
DLA22000-M	22000	40	1	79.6	170	12	R	R	O	S
DLA25000-M	25000	40	1	79.6	185	11	R	GN	O	S
DLA27000-M	27000	40	1	79.6	210	9.5	R	V	O	S
DLA30000-M	30000	40	1	79.6	240	8.5	O	BK	O	S
DLA33000-M	33000	40	1	79.6	250	8.0	O	O	O	S