

MOLDED AXIAL INDUCTOR

Commercial/Mil-Spec Equivalent MA1944, MA2155, MA2474 Series

Part Numbering Guide

BODY STYLE Molded Axial	MA 1944 - 47 J - T&R	PACKAGING Blank=Bulk *T&R=Tape and Reel (pg. 001)	MIL-SPEC EQUIVALENTS MIL-C-15305 MS75008 (0.15uH to 2.7uH) MS75101 (3.3uH to 27uH) MS90539, 40, 41 (27uH to 5600uH)
BODY SIZE 4.83mm x 11.17mm (0.190" x 0.440") 5.46mm x 14.22mm (0.215" x 0.560") 6.09mm x 18.80mm (0.240" x 0.740")	VALUE in uH	TOLERANCE M=+/-20% K=+/-10% J=+/-5%	*Standard

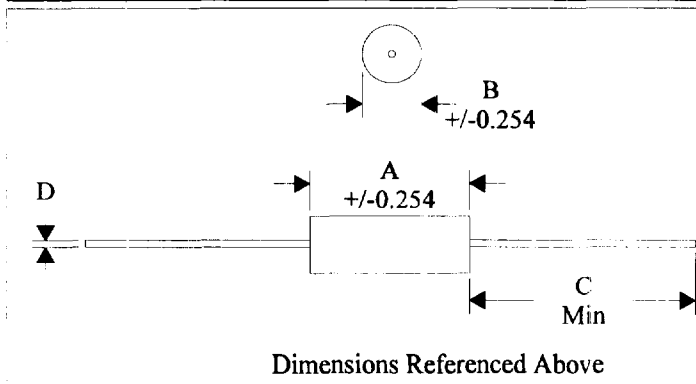
Standard Specifications

Operating Temperature	0.15uH to 2.7uH -55°C to +125°C 3.3uH and above -55°C to +105°C
Construction	Epoxy Molded; Unshielded
MA1944 (Dim. for .15uH to 1000uH)	A= 11.176mm B= 4.826mm C= 31.750mm D=#22 AWG (0.635mm +/-0.051mm)
MA2155 (Dim. for 1100uH to 3600uH)	A= 14.224mm B= 5.461mm C= 31.750mm D=#21 AWG (0.711mm +/-0.051mm)
MA2474 (Dim. for 3900uH to 5600uH)	A= 18.796mm B= 6.09mm C= 31.750mm D=#20 AWG (0.813mm +/-0.051mm)

Ordering Information

Ecliptek Part Number	L (uH)	Q (Min)	Test Freq (MHz)	SRF Min. (MHz)	DCR Max. (ohms)	Rated DC Curr. (mA)	Core Mat.	Ecliptek Part Number	L (uH)	Q (Min)	Test Freq (MHz)	SRF Min. (MHz)	DCR Max. (ohms)	Rated DC Curr. (mA)	Core Mat.
MA1944-15M	0.15	55	25	510	0.030	3000	Phen	MA1944-390J	390	65	0.790	4.5	10.0	100	Iron
MA1944-22M	0.22	50	25	415	0.035	2800	Phen	MA1944-430J	430	65	0.790	4.3	10.6	97	Iron
MA1944-33M	0.33	50	25	350	0.065	2000	Phen	MA1944-470J	470	65	0.790	4.0	11.1	95	Iron
MA1944-47M	0.47	50	25	300	0.085	1700	Phen	MA1944-510J	510	65	0.790	3.8	11.6	93	Iron
MA1944-56K	0.56	50	25	270	0.125	1450	Phen	MA1944-560J	560	65	0.790	3.6	12.3	91	Iron
MA1944-68K	0.68	45	25	250	0.150	1300	Phen	MA1944-620J	620	60	0.790	3.5	13.0	88	Iron
MA1944-82K	0.82	40	25	210	0.205	1100	Phen	MA1944-680J	680	60	0.790	3.4	13.7	85	Iron
MA1944-1.0K	1.0	40	25	200	0.290	930	Phen	MA1944-750J	750	60	0.790	3.3	14.4	83	Iron
MA1944-1.2K	1.2	30	7.9	180	0.400	785	Phen	MA1944-820J	820	60	0.790	3.1	15.1	81	Iron
MA1944-1.5K	1.5	30	7.9	170	0.485	700	Phen	MA1944-910J	910	60	0.790	2.9	15.8	79	Iron
MA1944-1.8K	1.8	30	7.9	150	0.740	580	Phen	MA1944-1000J	1000	60	0.790	2.8	16.5	78	Iron
MA1944-2.2K	2.2	30	7.9	140	0.970	505	Phen	MA2155-1100J	1100	55	0.250	2.4	24.0	97	Iron
MA1944-2.7K	2.7	30	7.9	120	1.200	460	Phen	MA2155-1200J	1200	55	0.250	2.3	25.0	95	Iron
MA1944-3.3K	3.3	30	7.9	70	0.140	990	Iron	MA2155-1300J	1300	55	0.250	2.2	26.5	92	Iron
MA1944-3.9K	3.9	30	7.9	65	0.155	870	Iron	MA2155-1500J	1500	55	0.250	2.05	28.0	90	Iron
MA1944-4.7K	4.7	30	7.9	60	0.210	745	Iron	MA2155-1600J	1600	55	0.250	2.00	29.5	87	Iron
MA1944-5.6K	5.6	30	7.9	50	0.280	645	Iron	MA2155-1800J	1800	55	0.250	1.95	40.0	75	Iron
MA1944-6.8K	6.8	30	7.9	50	0.375	560	Iron	MA2155-2000J	2000	55	0.250	1.85	42.0	73	Iron
MA1944-8.2K	8.2	30	7.9	48	0.440	540	Iron	MA2155-2200J	2200	55	0.250	1.75	44.0	71	Iron
MA1944-10K	10.0	30	7.9	42	0.605	440	Iron	MA2155-2400J	2400	50	0.250	1.70	60.0	61	Iron
MA1944-12K	12.0	50	2.5	36	1.05	370	Iron	MA2155-2700J	2700	50	0.250	1.60	64.0	59	Iron
MA1944-15K	15.0	55	2.5	30	1.20	310	Iron	MA2155-3000J	3000	50	0.250	1.50	67.5	58	Iron
MA1944-18K	18.0	60	2.5	30	1.95	255	Iron	MA2155-3300J	3300	50	0.250	1.40	71.5	56	Iron
MA1944-22K	22.0	60	2.5	24	2.20	240	Iron	MA2155-3600J	3600	50	0.250	1.35	74.5	55	Iron
MA1944-27K	27.0	65	2.5	22	2.75	205	Iron	MA2474-3900J	3900	50	0.250	1.30	90.0	50	Iron
MA1944-270J	270	65	0.790	5.6	8.2	110	Iron	MA2474-4300J	4300	50	0.250	1.25	95.0	49	Iron
MA1944-300J	300	65	0.790	5.3	8.7	107	Iron	MA2474-4700J	4700	50	0.250	1.20	100.0	47	Iron
MA1944-330J	330	65	0.790	5.0	9.1	105	Iron	MA2474-5100J	5100	50	0.250	1.15	105.0	46	Iron
MA1944-360J	360	65	0.790	4.7	9.6	102	Iron	MA2474-5600J	5600	50	0.250	1.10	111.0	45	Iron

Dimensions in Millimeters



METRIC CONVERSION
0.254mm=0.010"

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