

MOLDED AXIAL INDUCTOR

Commercial/Mil-Spec Equivalent MA1025 Series

Part Numbering Guide

BODY STYLE Molded Axial	MA 1025 - 47 J - T&R		PACKAGING Blank=Bulk *T&R=Tape and Reel (pg. 001)	MIL-SPEC EQUIVALENTS MIL-C-15305 MS75083 (0.10uH to 1.0uH) MS75084 (1.2uH to 27uH) MS75085 (33uH to 1000uH)
BODY SIZE 2.42mm x 6.35mm (0.095" x 0.250")	VALUE in uH	TOLERANCE M=+/-20% K=+/-10% J=+/-5%		

*Standard

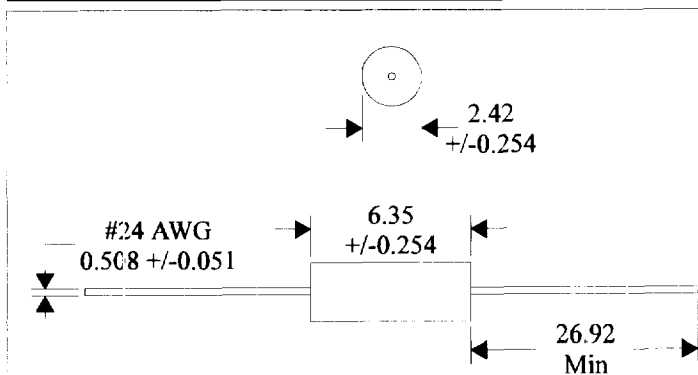
Standard Specifications

Operating Temperature Range	0.10uH to 1.0uH -55°C to +125°C, 1.2uH to 1000uH -55°C to +105°C
Maximum Power Dissipation	.21W (.1uH - 1.0uH), .09W (1.2uH - 27uH), .073W (33uH - 1000uH)
Construction	Epoxy Molded; Unshielded
Weight	0.30 Grams Maximum

Ordering Information

Ecliptek Part Number	L (uH)	Q (Min)	Test Freq (MHz)	SRF Min. (MHz)	DCR Max. (ohms)	Rated DC Curr. Max. (mA)	Core Mat.	Ecliptek Part Number	L (uH)	Q (Min)	Test Freq (MHz)	SRF Min. (MHz)	DCR Max. (ohms)	Rated DC Curr. Max. (mA)	Core Mat.
MA1025-.10K	0.10	40	25.2	680	0.08	1350	Phen.	MA1025-10K	10	55	7.96	50	3.7	130	Iron
MA1025-.12K	0.12	40	25.2	640	0.09	1270	Phen.	MA1025-12K	12	45	2.52	40	2.7	155	Iron
MA1025-.15K	0.15	38	25.2	600	0.10	1200	Phen.	MA1025-15K	15	40	2.52	35	2.8	150	Iron
MA1025-.18K	0.18	35	25.2	550	0.12	1105	Phen.	MA1025-18K	18	50	2.52	30	3.1	145	Iron
MA1025-.22K	0.22	33	25.2	510	0.14	1025	Phen.	MA1025-22K	22	50	2.52	25	3.3	140	Iron
MA1025-.27K	0.27	33	25.2	430	0.16	960	Phen.	MA1025-27K	27	50	2.52	20	3.5	135	Iron
MA1025-.33K	0.33	30	25.2	410	0.22	815	Phen.	MA1025-33K	33	45	2.52	24	3.4	130	Ferr.
MA1025-.39K	0.39	30	25.2	365	0.30	700	Phen.	MA1025-39K	39	45	2.52	22	3.6	125	Ferr.
MA1025-.47K	0.47	30	25.2	330	0.35	650	Phen.	MA1025-47K	47	45	2.52	20	4.5	110	Ferr.
MA1025-.56K	0.56	30	25.2	300	0.50	545	Phen.	MA1025-56K	56	45	2.52	18	5.7	100	Ferr.
MA1025-.68K	0.68	28	25.2	275	0.60	495	Phen.	MA1025-68K	68	50	2.52	15	6.7	92	Ferr.
MA1025-.82K	0.82	28	25.2	250	0.85	415	Phen.	MA1025-82K	82	50	2.52	14	7.3	88	Ferr.
MA1025-1.0K	1.0	25	25.2	230	1.0	385	Phen.	MA1025-100K	100	50	2.52	13	8.0	84	Ferr.
MA1025-1.2K	1.2	25	7.96	150	0.18	590	Iron	MA1025-120K	120	30	0.79	12	13	66	Ferr.
MA1025-1.5K	1.5	28	7.96	140	0.22	535	Iron	MA1025-150K	150	30	0.79	11	15	61	Ferr.
MA1025-1.8K	1.8	30	7.96	125	0.30	455	Iron	MA1025-180K	180	30	0.79	10	17	57	Ferr.
MA1025-2.2K	2.2	30	7.96	115	0.40	395	Iron	MA1025-220K	220	30	0.79	9.0	21	52	Ferr.
MA1025-2.7K	2.7	37	7.96	100	0.55	355	Iron	MA1025-270K	270	30	0.79	8.0	25	47	Ferr.
MA1025-3.3K	3.3	45	7.96	90	0.85	270	Iron	MA1025-330K	330	30	0.79	7.0	28	45	Ferr.
MA1025-3.9K	3.9	45	7.96	80	1.0	250	Iron	MA1025-390K	390	30	0.79	6.5	35	40	Ferr.
MA1025-4.7K	4.7	45	7.96	75	1.2	230	Iron	MA1025-470K	470	30	0.79	6.0	42	36	Ferr.
MA1025-5.6K	5.6	50	7.96	65	1.8	185	Iron	MA1025-560K	560	30	0.79	5.0	46	35	Ferr.
MA1025-6.8K	6.8	50	7.96	60	2.0	175	Iron	MA1025-680K	680	30	0.79	4.2	60	30	Ferr.
MA1025-8.2K	8.2	55	7.96	55	2.7	155	Iron	MA1025-820K	820	30	0.79	3.8	65	29	Ferr.
								MA1025-1000K	1000	30	0.79	3.4	72	28	Ferr.

Dimensions in Millimeters



METRIC CONVERSION
26.92mm=1.050"
6.350mm=0.250"
2.420mm=0.095"
0.508mm=0.020"
0.254mm=0.010"
0.051mm=0.002"

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