

SHIELDED AXIAL INDUCTOR

Commercial/Mil-Spec Equivalent SA1641 Series

Part Numbering Guide

BODY STYLE Molded Axial	SA 1641 - 47 J - T&R	PACKAGING Blank=Bulk *T&R=Tape and Reel (Pg. 001)	MIL-SPEC EQUIVALENTS MIL-C-15305 MS75087 (0.10uH to 0.82uH) MS75088 (1.0uH to 12uH) MS75089 (15uH to 10,000uH)
BODY SIZE 4.11mm x 10.41mm (0.162" x 0.410")	VALUE in uH	TOLERANCE M= +/-20% K= +/-10% J= +/-5%	

*Standard

Standard Specifications

Operating Temperature Range	-55°C to +105°C
Maximum Power Dissipation	0.110W
Construction	Epoxy Molded; shielded as specified below
Weight	0.75 Grams Maximum

Ordering Information

Ecliptek Part Number	L (uH)	Q (Min)	Test Freq (MHz)	SRF Min. (MHz)	Rated DCR Max. (ohms)	DC/ INCR* Curr. Max. (mA)	Core/ Sleeve Mat.	Ecliptek Part Number	L (uH)	Q (Min)	Test Freq (MHz)	SRF Min. (MHz)	Rated DCR Max. (ohms)	DC/ INCR* Curr. Max. (mA)	Core/ Sleeve Mat.
SA1641-10K	0.10	50	25	250	0.025	1790/1790	Phen/Iron	SA1641-100K	100	50	2.5	10.0	3.12	160/120	Ferr/Ferr
SA1641-12K	0.12	51	25	250	0.034	1530/1530	Phen/Iron	SA1641-120K	120	50	0.79	9.7	3.60	150/95	Ferr/Ferr
SA1641-15K	0.15	51	25	250	0.037	1470/1470	Phen/Iron	SA1641-150K	150	55	0.79	8.5	4.10	140/90	Ferr/Ferr
SA1641-18K	0.18	50	25	250	0.047	1300/1300	Phen/Iron	SA1641-180K	180	55	0.79	8.0	4.40	135/85	Ferr/Ferr
SA1641-22K	0.22	49	25	250	0.067	1100/1100	Phen/Iron	SA1641-220K	220	55	0.79	7.5	5.00	125/80	Ferr/Ferr
SA1641-27K	0.27	47	25	250	0.11	855/855	Phen/Iron	SA1641-270K	270	55	0.79	7.0	5.80	115/80	Ferr/Ferr
SA1641-33K	0.33	46	25	250	0.13	780/780	Phen/Iron	SA1641-330K	330	55	0.79	6.5	6.40	110/65	Ferr/Ferr
SA1641-39K	0.39	44	25	250	0.18	670/670	Phen/Iron	SA1641-390K	390	60	0.79	6.2	7.40	105/60	Ferr/Ferr
SA1641-47K	0.47	44	25	235	0.25	565/565	Phen/Iron	SA1641-470K	470	60	0.79	5.7	9.50	92/58	Ferr/Ferr
SA1641-56K	0.56	43	25	210	0.33	490/490	Phen/Iron	SA1641-560K	560	60	0.79	4.7	10.5	90/55	Ferr/Ferr
SA1641-68K	0.68	42	25	190	0.45	420/420	Phen/Iron	SA1641-680K	680	60	0.79	4.5	11.8	80/50	Ferr/Ferr
SA1641-82K	0.82	40	25	180	0.59	370/370	Iron/Iron	SA1641-820K	820	60	0.79	4.2	3.0	80/45	Ferr/Ferr
SA1641-1.0K	1.0	44	25	140	0.07	1070/1070	Iron/Iron	SA1641-1000K	1,000	60	0.79	3.8	17.5	80/40	Ferr/Ferr
SA1641-1.2K	1.2	44	7.9	130	0.10	895/895	Iron/Iron	SA1641-1200K	1,200	45	0.25	1.5	22.1	60/35	Ferr/Ferr
SA1641-1.5K	1.5	44	7.9	115	0.12	815/815	Iron/Iron	SA1641-1500K	1,500	45	0.25	1.2	26.5	55/33	Ferr/Ferr
SA1641-1.8K	1.8	44	7.9	105	0.14	775/775	Iron/Iron	SA1641-1800K	1,800	45	0.25	1.0	29.9	50/30	Ferr/Ferr
SA1641-2.2K	2.2	44	7.9	100	0.19	650/650	Iron/Iron	SA1641-2200K	2,200	45	0.25	0.97	33.8	50/27	Ferr/Ferr
SA1641-2.7K	2.7	44	7.9	92	0.28	535/535	Iron/Iron	SA1641-2700K	2,700	45	0.25	0.92	47.3	40/25	Ferr/Ferr
SA1641-3.3K	3.3	44	7.9	85	0.35	480/480	Iron/Iron	SA1641-3300K	3,300	45	0.25	0.84	53.0	40/22	Ferr/Ferr
SA1641-3.9K	3.9	44	7.9	75	0.40	450/450	Iron/Iron	SA1641-3900K	3,900	45	0.25	0.80	73.8	35/20	Ferr/Ferr
SA1641-4.7K	4.7	44	7.9	70	0.55	380/380	Iron/Iron	SA1641-4700K	4,700	45	0.25	0.74	81.6	31/19	Ferr/Ferr
SA1641-5.6K	5.6	44	7.9	65	0.72	335/335	Iron/Iron	SA1641-5600K	5,600	44	0.25	0.73	98.9	28/17	Ferr/Ferr
SA1641-6.8K	6.8	50	7.9	55	1.02	280/280	Iron/Iron	SA1641-6800K	6,800	40	0.25	0.66	111	27/16	Ferr/Ferr
SA1641-8.2K	8.2	50	7.9	50	1.32	250/250	Iron/Iron	SA1641-8200K	8,200	40	0.25	0.54	119	26/15	Ferr/Ferr
SA1641-10K	10	50	7.9	46	1.67	220/220	Iron/Iron	SA1641-10000K	10,000	40	0.25	0.47	137	24/14	Ferr/Ferr