

SURFACE MOUNT POWER INDUCTORS

Power Inductors

Package A0: .25 to 6.6 A, .020 to 100 μ H

ELECTRICAL SPECIFICATIONS

VE Part Number	Series Inductance μ H \pm 12%	Series Rated D.C. mA	Series D.C. Res. Ohms Max	Parallel Inductance μ H \pm 12%	Parallel Rated D.C. mA	Parallel D.C. Res. Ohms Max	SRF
60073	.08	3300	.020	.020	6600	.005	
60074	.14	2800	.024	.035	5600	.006	
60075	.22	2400	.036	.055	4600	.009	
60076	.44	1800	.056	.110	3600	.014	
60077	.56	1500	.072	.140	3000	.018	
60078	.60	2300	.036	.150	4600	.009	
60079	.86	1900	.048	.215	3800	.012	
60080	1.30	1900	.048	.340	3800	.012	
60081	1.86	1800	.052	.465	3600	.013	
60082	2.44	1700	.060	.610	3400	.015	
60083	3.46	1500	.064	.865	3000	.016	
60084	4.40	1200	.080	1.10	2400	.020	
60085	5.40	1000	.120	1.35	2000	.030	
60086	7.80	950	.160	1.95	1900	.040	
60087	10.60	850	.240	2.65	1700	.060	
60088	12.16	800	.260	3.04	1600	.065	
60089	13.80	750	.280	3.45	1500	.070	
60090	17.48	650	.360	4.37	1300	.090	
60091	19.52	600	.400	4.88	1200	.100	
60092	10.60	550	.500	5.40	1100	.125	
60093	26.20	500	.560	6.55	1000	.140	
60094	31.20	450	.600	7.80	900	.150	
60095	48.60	400	.900	12.15	800	.225	
60096	58.80	350	1.30	14.70	700	.325	
60097	78.00	300	1.52	19.50	600	.380	
60098	90.80	280	2.20	22.70	560	.550	
60099	100.00	250	2.40	25.00	500	.600	

Inductance is measured at 0.1Vrms and 10kHz

FEATURES

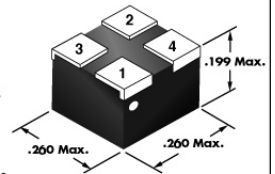
- Compact, low profile, surface mountable package.
- Leadless device, allowing for economy in packaging space.
- Terminations are tin-lead coated phosphor bronze, suitable for a variety of soldering techniques.
- Ideal for automatic placement.

CHARACTERISTICS

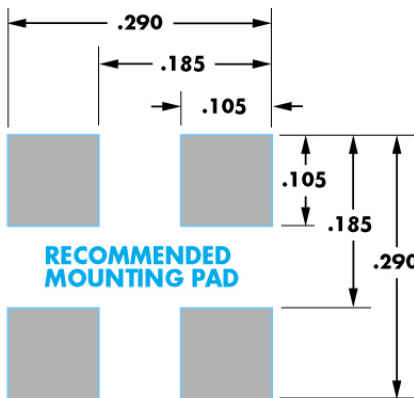
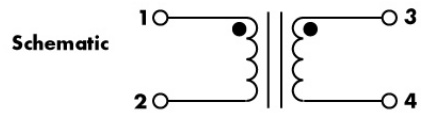
- -55 °C to +130 °C operating temperature.
- \pm 2% change in inductance over the operating temperature range.
- Temperature rise of less than 30 °C.
- Inductance drop of less than 30% with rated DC through inductor windings.
- Built to meet MIL-T-27 military specifications.
- Different values of inductance or turns ratio available on special order.
- Dielectric strength is 100 Vrms.

APPLICATIONS

- Filter inductors
- Ripple suppressors
- Common mode chokes
- Isolation transformers
- Step up transformers
- Step down transformers

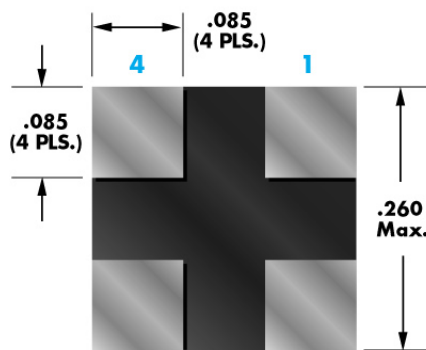


TYPICAL USER CONNECTIONS

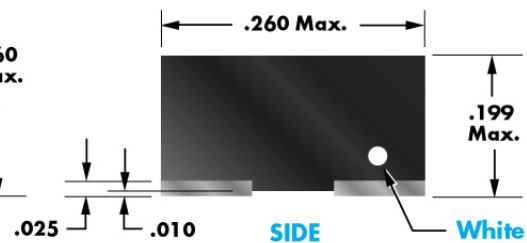


RECOMMENDED MOUNTING PAD

CIRCUIT SIDE



BOTTOM VIEW



SIDE VIEW

White Dot is Terminal #1

IN	MM
0.290	7.36
0.260	6.64
0.185	4.69
0.105	2.66
0.085	2.16
0.025	0.64
0.010	0.25

CONVERSION

Actual Size (Top)



Actual Size (Side)



60,000 SERIES PACKAGE A0



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