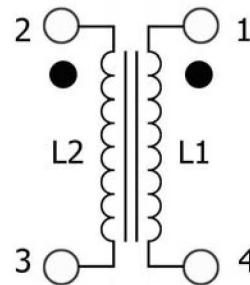
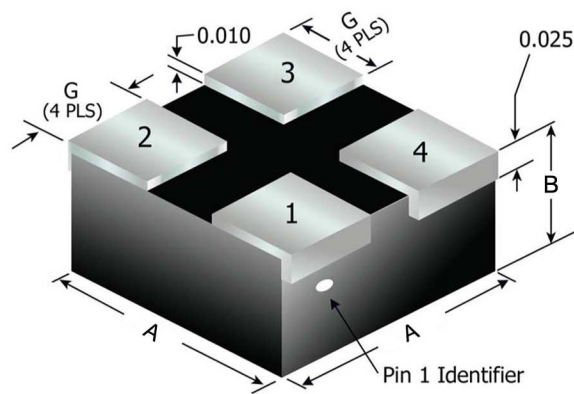


Common Mode Inductors In Square Package



FEATURES

- Leadless device for minimum footprint
- Lead Pad Coplanarity Max: 0.002 inches; 0.05 mm
- Low EMI Radiation
- Low Thermal Expansion permits mounting on most substrate materials
- Custom Designs: Other electrical configurations and performance characteristics are available in various sizes and package types.

CHARACTERISTICS

- Met the requirements of MIL-PRF-27 and MIL-STD-981, class **S** or class **B**. Class **S** parts are intended for critical flight and mission-essential ground support applications and any application that is critical to safety. Class **B** parts are for use in non-critical flight and non-mission-essential ground support applications.
- Operating Temperature Range: -55 °C to +125 °C
- Temperature Rise @ rated current: < 30 °C
- Dielectric Withstanding Voltage: 500 Vac
- Moisture, Shock and Immersion Resistant
- Resistance to Soldering Heat: 265 °C for 10 secs
- Outgassing meets NASA spec SP-R-0022A: TML < 1%
- Terminations: 90/10 Tin/Lead Plating
- Welded Internal connections, Transfer Molded Package

Part Number Ordering Information:

SCMSxxxB-Group A screening for class B parts per MIL-STD-981.

SCMSxxxS-Group A and B screening for class S parts per MIL-STD-981.

PHYSICAL PARAMETERS

	SCMS100	SCMS200	SCMS300	SCMS400
A	.250 ± .010	.400 ± .010	.400 ± .010	.525 ± .010
B	.230 Max	.230 Max	.310 Max	.310 Max
G	0.085	0.135	0.135	0.200
WT	0.6 grams	1.5 grams	2.8 grams	4.1 grams

Part Number	Inductance mH min.	DCR Ohms max.	I Rated Amps max.
SCMS100 Series			
SCMS101	0.050	0.03	1.4
SCMS102	0.075	0.05	1.3
SCMS103	0.100	0.06	1.2
SCMS104	0.250	0.09	1.0
SCMS105	0.500	0.22	0.5
SCMS106	0.750	0.28	0.3
SCMS200 Series			
SCMS201	0.050	0.04	2.6
SCMS202	0.090	0.06	2.2
SCMS203	0.120	0.06	2.1
SCMS204	0.250	0.07	2.0
SCMS205	0.500	0.13	1.4
SCMS206	0.750	0.22	1.1
SCMS207	1.00	0.29	0.95
SCMS208	2.00	0.50	0.75
SCMS209	3.00	0.59	0.65
SCMS300 Series			
SCMS301	0.033	0.02	5.0
SCMS302	0.075	0.03	3.5
SCMS303	0.130	0.05	2.8
SCMS304	0.200	0.06	2.4
SCMS305	0.400	0.08	2.1
SCMS306	0.530	0.10	1.8
SCMS307	0.670	0.15	1.7
SCMS308	1.00	0.20	1.3
SCMS309	3.00	0.50	0.8
SCMS310	5.00	0.65	0.7
SCMS400 Series			
SCMS401	0.059	0.04	3.4
SCMS402	0.105	0.05	3.3
SCMS403	0.165	0.06	3.0
SCMS404	0.325	0.07	2.6
SCMS405	0.535	0.08	2.4
SCMS406	0.95	0.15	1.9
SCMS407	1.50	0.25	1.4
SCMS408	1.90	0.25	1.4
SCMS409	2.90	0.35	1.2
SCMS410	3.50	0.45	1.0
SCMS411	5.00	0.55	0.9
SCMS412	7.20	0.60	0.8