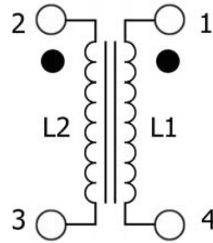
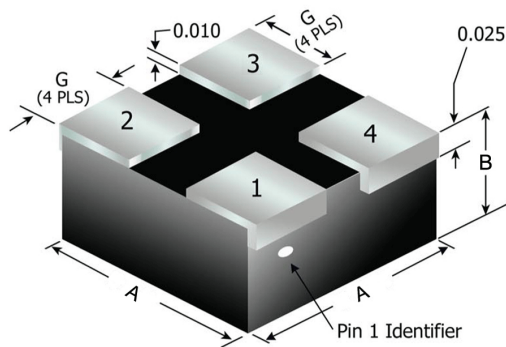


Common Mode Inductor (Square Package)



Physical Parameters				
Dim	SCMS100	SCMS200	SCMS300	SCMS400
A	0.250 ± .010	0.400 ± .010	0.400 ± .010	0.525 ± .010
B	.230 Max	.230 Max	.310 Max	.310 Max
G	.085	.135	.135	.200
WT	0.6 g	1.5 g	2.8 g	4.1 g

Tape & Reel (additional charge)		
Package	Small Reel (Qty)	Large Reel (Qty)
SCMS100	300	1000
SCMS200	200	650
SCMS300	200	650
SCMS400	125	300

FEATURES

- Leadless device for minimum footprint
- 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

SPECIFICATIONS

- Operating temperature range: -55°C to 125°C
- Temperature rise at rated DC current is less than 30°C
- Inductance tested at 10 kHz
- Dielectric Withstanding Voltage: 500 VAC
- Moisture, Shock, and Immersion Resistant
- Resistance to Soldering Heat: 265°C for 10 sec
- Terminations: 90/10 Tin/Lead Plating
- Welded Connections, Transfer Molded Package
- Outgassing meets NASA spec SP-R-0022A: TML < 1%
- Meets 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 noncritical flight and non-mission-essential ground support applications.

Part or Identifying Number (PIN):

SCMSxxxS: MIL-STD-981, Class S

SCMSxxxB: MIL-STD-981, Class B

Part Number	Inductance Min (mH)	DCR Max (Ω)	Current Rated Max (A)
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



Coast / Advanced Chip Magnetics

4225 Spencer Street, Torrance CA 90503 · Phone 310-370-8188 · Fax 310-370-8388

Web: www.coastacm.com · Email: sales@coastacm.com