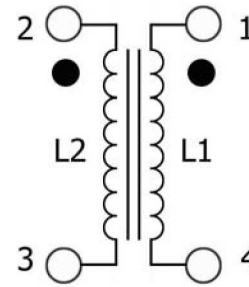
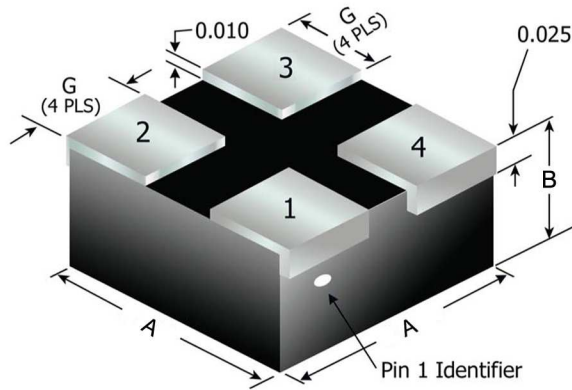


CMS Series

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
- Built to meet Mil-T-27 specifications
- Custom Designs: Other electrical configurations and performance characteristics are available in various sizes and package types.

CHARACTERISTICS

- 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

PHYSICAL PARAMETERS

	CMS100	CMS200	CMS300	CMS400
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.
CMS100 Series			
CMS101	0.050	0.03	1.4
CMS102	0.075	0.05	1.3
CMS103	0.100	0.06	1.2
CMS104	0.250	0.09	1.0
CMS105	0.500	0.22	0.5
CMS106	0.750	0.28	0.3
CMS200 Series			
CMS201	0.050	0.04	2.6
CMS202	0.090	0.06	2.2
CMS203	0.120	0.06	2.1
CMS204	0.250	0.07	2.0
CMS205	0.500	0.13	1.4
CMS206	0.750	0.22	1.1
CMS207	1.00	0.29	0.95
CMS208	2.00	0.50	0.75
CMS209	3.00	0.59	0.65
CMS300 Series			
CMS301	0.033	0.02	5.0
CMS302	0.075	0.03	3.5
CMS303	0.130	0.05	2.8
CMS304	0.200	0.06	2.4
CMS305	0.400	0.08	2.1
CMS306	0.530	0.10	1.8
CMS307	0.670	0.15	1.7
CMS308	1.00	0.20	1.3
CMS309	3.00	0.50	0.8
CMS310	5.00	0.65	0.7
CMS400 Series			
CMS401	0.059	0.04	3.4
CMS402	0.105	0.05	3.3
CMS403	0.165	0.06	3.0
CMS404	0.325	0.07	2.6
CMS405	0.535	0.08	2.4
CMS406	0.95	0.15	1.9
CMS407	1.50	0.25	1.4
CMS408	1.90	0.25	1.4
CMS409	2.90	0.35	1.2
CMS410	3.50	0.45	1.0
CMS411	5.00	0.55	0.9
CMS412	7.20	0.60	0.8



COAST / ADVANCED CHIP MAGNETICS

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