



SPACE-GRADE, SURFACE-MOUNT COMMON MODE CHOKE

APPLICATIONS



SPACE
APPLICATIONS



LEO, MEO, GEO



ROVER



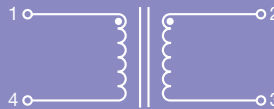
AVIONICS

CUSTOMIZATION AVAILABLE

(e.g., turns count, wire gauge,
temperature class, screening, etc.)

REDUCES EMI

SGCM



AND ENSURES RELIABILITY IN HARSH ENVIRONMENTS

FEATURES

- Nanocrystalline-based design
- Self-shielded
- Molded construction for ruggedized applications
- MIL-PRF-27 grade 5, product level T, temperature class S
- MIL-STD-981 family 04 power inductor, class S compliant
- ASTM-E595 outgassing compliant
- Tin-lead terminations
- Broadband frequency attenuation

CONDENSED SPECIFICATIONS FOR STANDARD CMC

(see datasheet for detailed specifications)

- 15 standard configurations
- DC resistance: 3 mΩ to 132 mΩ
- 320 μH to 10.4 mH inductance
- Current rating: 2 A to 14.4 A
- Common mode impedance: 540 Ω to 3600 Ω
- Package size: 13.6 mm x 13.6 mm x 10 mm

S G C M
PRODUCT FAMILY

0 5 3 3 9
SIZE

T
PACKAGE CODE

3 2 1
INDUCTANCE VALUE
321 = 320 μH

S
SCREENING

SGCM Screening Code	Levels of Screening
S	MIL-STD-981 Class S group A and B screening
B	MIL-STD-981 Class B group A and B screening
E2	EEE-INST-002 Level 2 screening
E3	EEE-INST-002 Level 3 screening
1L	Vishay's custom screening plan
P	Basic production screening – product is not MIL-STD-981 compliant

For Technical Questions: magnetics@vishay.com

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