



SCM SERIES PACKAGE A1

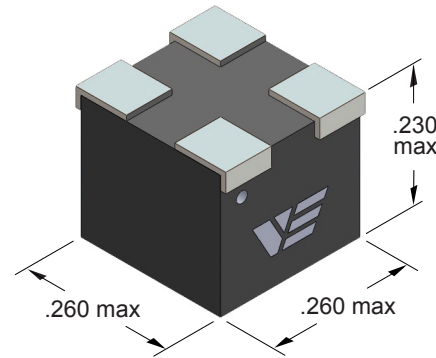


ALL PARTS AVAILABLE AS CLASS S OR CLASS B

MIL-STD-981

Inductance ref (mH)	DCR max (Ohms)	Current Rating (Amps)
0.05 to 0.78	0.03 to 0.28	0.3 to 1.4

ALL DIMENSIONS: INCHES



THRU-HOLE & GULL-WING PACKAGES ALSO AVAILABLE

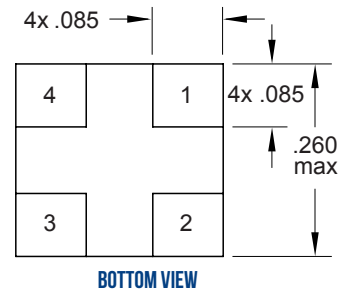
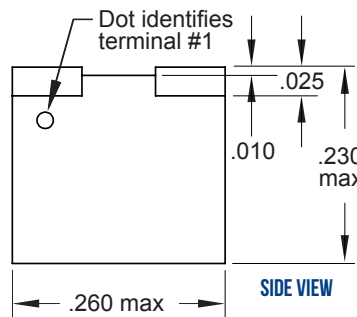
ELECTRICAL SPECIFICATIONS

- **Operating Temperature:** -55°C to +125°C
- **Storage Temperature:** -60°C to +130°C
- **Temperature Rise @ 90°C:** < 30°C
- **Outgassing per ASTM E595** (TML <1%, CVCM <0.1%)
- **Dielectric Withstanding Voltage:** 500 V_{RMS}
- **Overload Current:** 1.5 times rated current
- **Different electrical values available upon request**

FEATURES

- **Compact**, low profile, ideal for automatic placement
- Built to meet **MIL-STD-981** specifications
- **Terminations:** Tin-lead
- **Resistance to Soldering Heat:** 265°C for 10 seconds
- **Welded Internal Connections**
- **Moisture, Shock and Immersion Resistant**
- **Self-Shielding**
- **Other termination finishes available upon request**

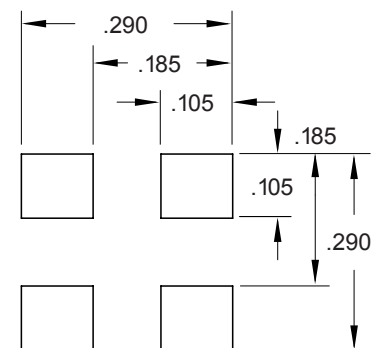
MARKINGS: LASER ETCH OR INK



Vanguard Part Number	Inductance ref (mH)	DCR max (Ohms)	Rated Current (Amps)	Package
SCM101	0.050	0.03	1.4	A-1
SCM102	0.072	0.05	1.3	A-1
SCM103	0.112	0.06	1.2	A-1
SCM104	0.250	0.09	1.0	A-1
SCM105	0.532	0.22	0.5	A-1
SCM106	0.780	0.28	0.3	A-1

Inductance measured at 10 kHz, 0.1 V_{RMS}

IN	MM
0.290	7.37
0.260	6.60
0.230	5.84
0.185	4.70
0.105	2.67
0.085	2.16
0.025	0.64
0.010	0.25

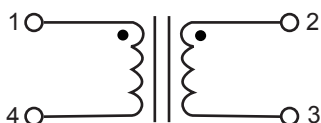


MIL-STD-981 Testing:

Add "-S" suffix for Class S Testing

Add "-B" suffix for Class B Testing

SCHEMATIC



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PACKAGE A1



CUSTOM DESIGNS & MODIFICATIONS AVAILABLE

