



## SCM SERIES PACKAGE A4



ALL PARTS AVAILABLE AS CLASS S OR CLASS B

MIL-STD-981

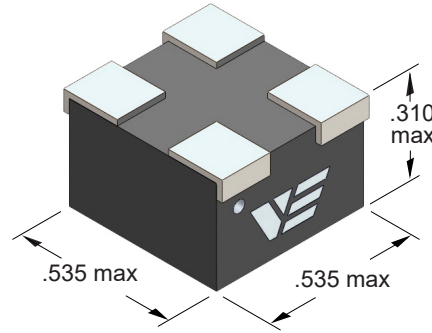
Inductance ref (mH)	DCR max (Ohms)	Current Rating (Amps)
0.079 to 7.2	0.04 to .6	0.8 to 3.4

### 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<sub>RMS</sub>
- **Overload Current:** 1.5 times rated current
- **Different electrical values available upon request**

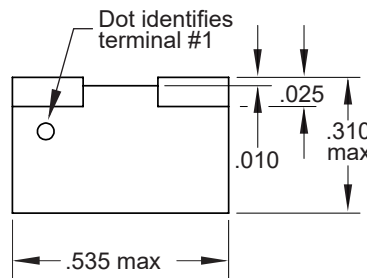
### FEATURES

- **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**

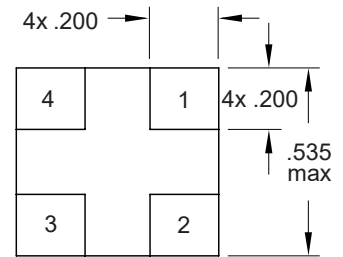


THRU-HOLE &  
GULL-WING PACKAGES  
ALSO AVAILABLE

MARKINGS: LASER ETCH OR INK

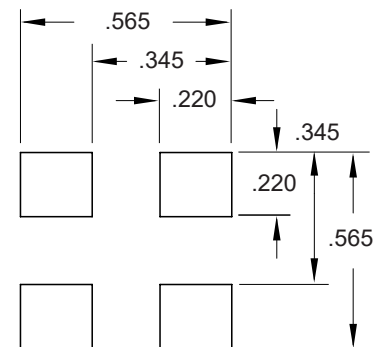


SIDE VIEW



BOTTOM VIEW

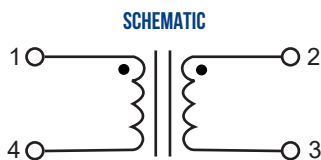
IN	MM
0.565	14.35
0.535	13.59
0.345	8.76
0.220	5.59
0.200	5.08
0.135	3.43
0.085	2.16
0.025	0.64
0.010	0.25



RECOMMENDED MOUNTING PAD CIRCUIT SIDE

Vanguard Part Number	Inductance ref (mH)	DCR max. (Ohms)	Rated Current (Amps)
SCM401	0.079	0.04	3.4
SCM402	0.105	0.05	3.3
SCM403	0.178	0.06	3.0
SCM404	0.370	0.07	2.6
SCM405	0.570	0.08	2.4
SCM406	0.950	0.15	1.9
SCM407	1.50	0.25	1.4
SCM408	1.90	0.25	1.4
SCM409	2.90	0.35	1.2
SCM410	3.50	0.45	1.0
SCM411	5.00	0.55	0.9
SCM412	7.20	0.60	0.8

Inductance measured at 10 kHz, 0.1 V<sub>RMS</sub>



#### MIL-STD-981 Screening:

- Add "-S" suffix for Class S Testing
- Add "-B" suffix for Class B Testing
- Add "-E" suffix for Engineering Unit



CUSTOM DESIGNS & MODIFICATIONS AVAILABLE

