



# CM SERIES PACKAGE A3



MIL-PRF-27

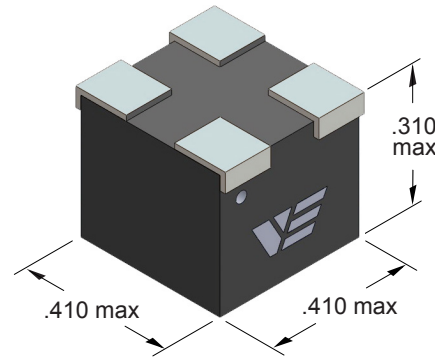
Inductance ref (mH)	DCR max (Ohms)	Current Rating (Amps)
0.033 to 5	0.02 to .65	0.7 to 5

## ELECTRICAL SPECIFICATIONS

- **Operating Temperature:** -55°C to +125°C
- **Storage Temperature:** -60°C to +130°C
- **Temperature Rise @ 90°C:** < 30°C
- **Dielectric Withstanding Voltage:** 500 V<sub>RMS</sub>
- **Overload Current:** 1.5 times rated current
- **Different electrical values available upon request**

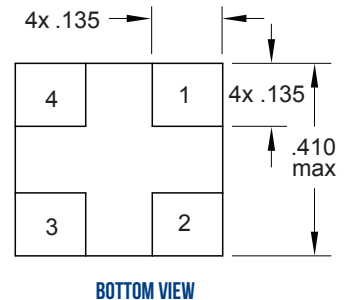
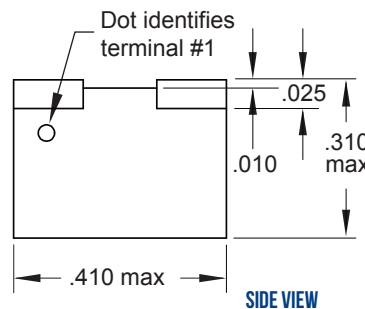
## FEATURES

- **Compact**, low profile, ideal for automatic placement
- Built to meet **MIL-PRF-27** 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**
- **Order to Mil-spec part number or VE part number**



THRU-HOLE & GULL-WING PACKAGES ALSO AVAILABLE

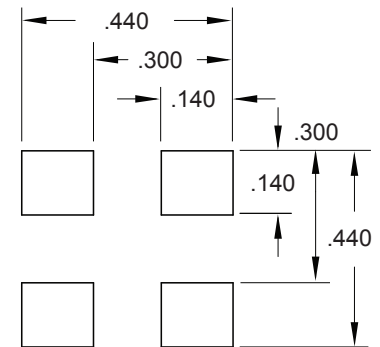
MARKINGS: LASER ETCH OR INK



Vanguard Part Number	Inductance ref (mH)	DCR max. (Ohms)	Rated Current (Amps)	Package
CM301	0.033	0.02	5.0	A-3
CM302	0.075	0.03	3.5	A-3
CM303	0.130	0.05	2.8	A-3
CM304	0.200	0.06	2.4	A-3
CM305	0.400	0.08	2.1	A-3
CM306	0.530	0.10	1.8	A-3
CM307	0.670	0.15	1.7	A-3
CM308	1.00	0.20	1.3	A-3
CM309	3.00	0.50	0.8	A-3
CM310	5.00	0.65	0.7	A-3

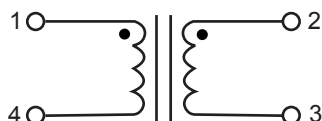
Inductance measured at 10 kHz, 0.1 V<sub>RMS</sub>

IN	MM
0.440	11.18
0.410	10.41
0.285	7.24
0.155	3.93
0.140	3.56
0.135	3.43
0.025	0.64
0.010	0.25



RECOMMENDED MOUNTING PAD CIRCUIT SIDE

### SCHEMATIC



CUSTOM DESIGNS & MODIFICATIONS AVAILABLE

REV D

