



CM SERIES PACKAGE A1



MIL-PRF-27

ELECTRICAL SPECIFICATIONS

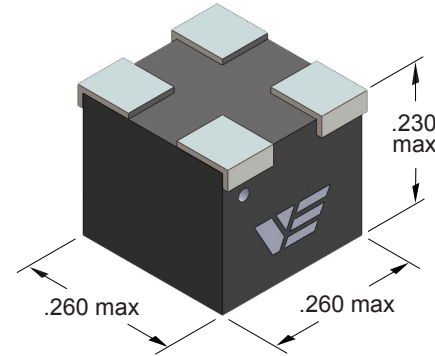
- **Operating Temperature:** -55°C to +125°C
- **Storage Temperature:** -60°C to +130°C
- **Temperature Rise @ 90°C:** < 30°C
- **Dielectric Withstanding Voltage:** 500 V_{RMS}
- **Overload Current:** 1.5 times rated current
- **Different electrical values available upon request**

FEATURES

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

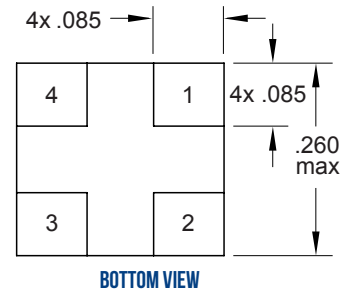
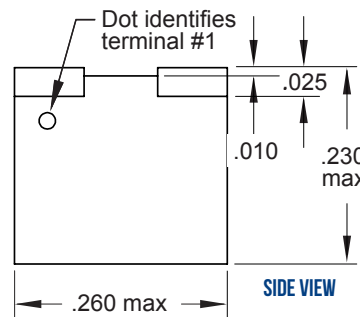
| Inductance ref (mH) | DCR max (Ohms) | Current Rating (Amps) |
|---------------------|----------------|-----------------------|
| 0.05 to 0.78 | 0.03 to 0.28 | 0.3 to 1.4 |

ALL DIMENSIONS: INCHES



THRU-HOLE &
GULL-WING PACKAGES
ALSO AVAILABLE

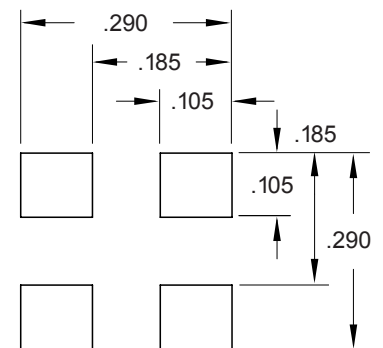
MARKINGS: LASER ETCH OR INK



| Vanguard Part Number | Inductance ref (mH) | DCR max (Ohms) | Rated Current (Amps) | Package |
|----------------------|---------------------|----------------|----------------------|---------|
| CM101 | 0.050 | 0.03 | 1.4 | A-1 |
| CM102 | 0.072 | 0.05 | 1.3 | A-1 |
| CM103 | 0.112 | 0.06 | 1.2 | A-1 |
| CM104 | 0.250 | 0.09 | 1.0 | A-1 |
| CM105 | 0.532 | 0.22 | 0.5 | A-1 |
| CM106 | 0.780 | 0.28 | 0.3 | A-1 |

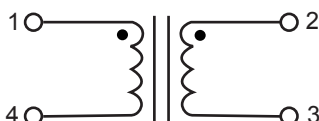
Inductance measured at 10 kHz, 0.1 V_{RMS}

| 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 |



RECOMMENDED MOUNTING PAD CIRCUIT SIDE

SCHEMATIC



CUSTOM DESIGNS & MODIFICATIONS AVAILABLE

