

CMN25 SERIES
NANOCRYSTALLINE
COMMON MODE CHOKE

ELECTRICAL SPECIFICATIONS

- **Operating Temperature:** -55°C to +125°C
- **Storage Temperature:** -60°C to +130°C
- **Temperature Rise:** < 30°C
- **Inductance:** Measured at 10kHz, 0.10V
- **DCR:** Measured at room ambient (25°C)
- **Dielectric Withstanding Voltage:** 1000 V_{RMS}
- **Overload Current:** 1.5 times rated current
- **Different electrical values available upon request**

FEATURES

- **Terminations:** SnPb, Lead Free (RoHS). Add "LF" suffix to the end of the part number to designate RoHS component. Ex. CMN25-175THLF
- **Resistance to Soldering Heat:** 265°C for 10 seconds
- **Moisture, Shock and Immersion Resistant**
- **Magnetically Shielded**
- **Ideally designed for GaN applications and higher switching frequencies**
- **Designed with nanocrystalline core for superior thermal stability and higher frequency operations**

Vanguard P/N	Inductance @ 10kHz ± 30% (mH)	DCR Max. (Ohms)	Rated Current (Amps)
CMN25-104TH	1.0	0.002	21.4
CMN25-234TH	2.3	0.003	17.3
CMN25-534TH	5.3	0.005	12.7
CMN25-804TH	8.0	0.008	10.3
CMN25-944TH	9.4	0.011	8.8
CMN25-175TH	17	0.023	6.1
CMN25-265TH	26	0.036	4.9
CMN25-385TH	38	0.070	3.5
CMN25-515TH	51	0.100	2.9
CMN25-635TH	63	0.140	2.5
CMN25-765TH	76	0.195	2.1
CMN25-106TH	100	0.280	1.8
CMN25-156TH	150	0.430	1.4

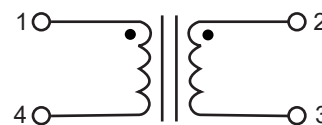
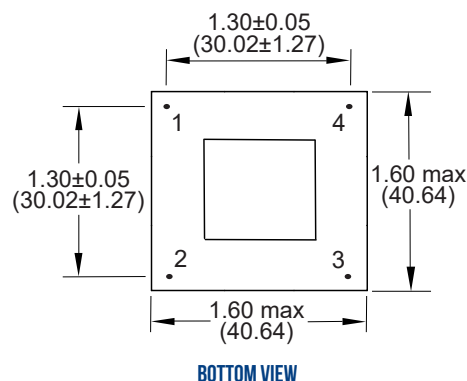
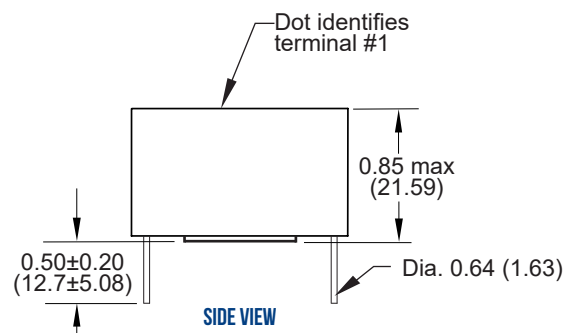
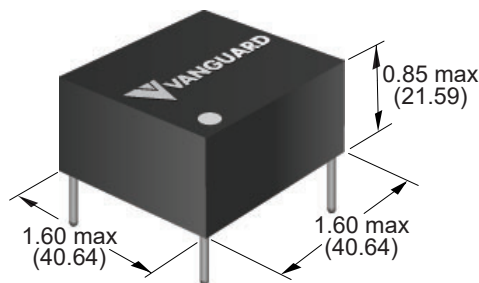
CUSTOM DESIGNS & MODIFICATIONS:

Other electrical configurations and performance characteristics are available in various sizes and package types

COTS+

Inductance Range (mH)	DCR max (Ohms)	Current Rating (A)
1.0 - 150	0.002 - 0.430	21.4 - 1.4

DIMENSIONS: INCHES (MM)
MARKINGS: LASER ETCH OR INK



SCHEMATIC

CMN25 SERIES

