

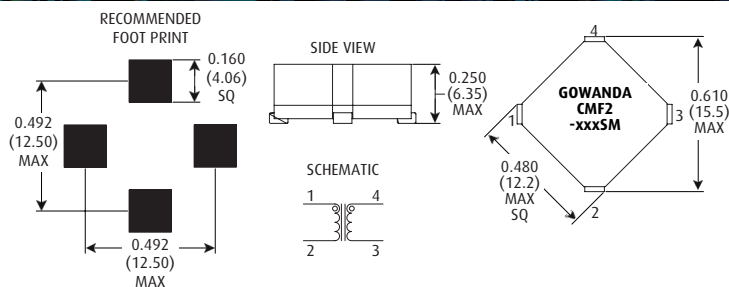
## CMF2SM SERIES



### Common Mode Transformer Choke



PART NUMBER	L $\mu$ H @ 10 kHz	DCR $\Omega$ MAX	CURRENT RATING A DC	LEAKAGE L $\mu$ H REF	INTERWINDING CAPACITANCE pF REF
CMF2-1003SM	100	0.035	3.0	2.2	2.6
CMF2-2503SM	250	0.055	2.4	4.5	4.0
CMF2-5003SM	500	0.095	1.8	7.0	5.2
CMF2-7503SM	750	0.150	1.5	11.0	6.0
CMF2-1004SM	1000	0.210	1.2	13.0	7.0



in (mm)

## NOTES

- Operating Temperature Range:** -55°C to +125°C
- Current Rating** is based on a 50°C temperature rise at an ambient temperature of 75°C  
Note: Current is rated in both windings
- DWV:** 1250 Vrms (winding to winding and winding to case on top surface)
- Weight MAX:** 1.7 grams
- Marking:** GOWANDA; CMF2-xxxxSM (dash number) (see diagram above)
- Excellent Electromagnetic Shielding
- Leakage inductance is tested in pins 1-2 with pins 3-4 shorted or at pins 3-4 with pins 1-2 shorted
- Inductance and DCR is for each side or single winding
- High temperature case with fixed, coplanar, "J" style terminals
- Custom designs are available to meet your specific requirements; please contact factory
- Applications:** These common mode filters are used to reduce AC interference, the opposing magnetic fluxes in the core serve to cancel inphase noise signals appearing across the line. They are also used for noise suppression in DC circuits.

## PART NUMBER DERIVATION

GEC Series CMF2 - 1002SM LF  
**Inductance:** 3 signif. digits & mult. \_\_\_\_\_  
 ex: 1003 = 100 $\mu$ H, 2503 = 250 $\mu$ H, 1004 = 1000 $\mu$ H  
**Tolerance:** All part numbers provide  $\pm 30\%$  tolerance on inductance  
**Termination:** LF = RoHS, No Suffix = SnPb (Standard) \_\_\_\_\_

## TAPE AND REEL SPECS

Pieces/reel maximum:	640
Pitch between parts:	16 mm
Tape width:	24 mm
Reel diameter:	13 in.