

CURRENT RATING mA DC

2.8

1.7

1.0

0.70

0.50

LEAKAGE

L µH Ref

0.91

1.97

3 5 5

4.85

7.96

TRANSFORMER Surface Mount

CMF1SM SERIES

Common Mode Transformer Choke

DCR

Ω ΜΑΧ

0.026

0.070

0 1 9 7

0.354

0.658

LμH

@ 10 kHz

100

250

500

750

1000

PART NUMBER

CMF1-1003SM

CMF1-2503SM

CMF1-5003SM

CMF1-7503SM

CMF1-1004SM



INTERWINDING CAPACITANCE pF REF

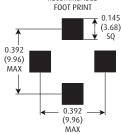
1.86

2.43

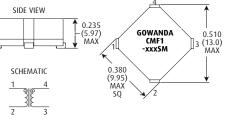
271

3.37

3.45



RECOMMENDED



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: 1.0 grams
- Marking: GOWANDA; CMF1-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

<u>CMF1</u> - <u>1002SM</u> LF
GEC Series
Inductance: 3 signif. digits & mult. ex: 1003 = 100µH, 2503 = 250µH, 1004 = 1000µH
Tolerance: All part numbers provide 30% tolerance on inductance Termination: LF = RoHS, No Suffix = SnPb (standard)

TAPE AND REEL SPECS

Pieces/reel maximum:	800
Pitch between parts:	12 mm
Tape width:	24 mm
Reel diameter:	13 in.

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