## TRANSFORMER urface Mount

0.250 (6.35) MAX

\$ 1

0.250

(6.35) MAX

0\$

SIDE VIEW

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SCHEMATIC

4

1

0.423 (10.74) MAX

1.063 (27.0)

MAX

0.250

(6.35) MAX

4

GOWANDA CMF3-xxxSM

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1.058±0.015 (26.87±0.38)

in (mm)



Common Mode Transformer Choke



PART NUMBER	L µH @ 10 kHz	DCR Ω MAX	CURRENT RATING A DC	LEAKAGE L µH REF
CMF3-2502SM	25	0.010	8.5	0.40
CMF3-5002SM	50	0.010	8.5	0.70
CMF3-1003SM	100	0.012	7.7	1.4
CMF3-1503SM	150	0.012	7.7	1.7
CMF3-2003SM	200	0.014	7.2	2.0
CMF3-3003SM	300	0.018	6.3	3.0
CMF3-4503SM	450	0.022	5.7	4.8
CMF3-6503SM	650	0.025	5.3	6.0
CMF3-1004SM	1000	0.045	4.0	9.3
CMF3-1504SM	1500	0.080	3.0	14.5
CMF3-2504SM	2500	0.150	2.2	24.0



RECOMMENDED FOOT PRINT

0.187 4.75) MAX

\$

MAX

- Operating Temperature Range: -55°C to +125°C
- $Current\ Rating\ is\ based\ on\ a\ 50^\circC\ temperature\ rise\ at\ an\ ambient\ temperature\ of\ 75^\circC\ Note:\ Current\ is\ rated\ in\ both\ windings$ .
- DWV: 1250 Vrms (winding to winding and winding to case on top surface)
- Weight MAX: 9.73 grams •
- Marking: GOWANDA; CMF3-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 .
- Windings balanced within 2% •
- Custom designs are available to meet your specific requirements; please contact factory •
- Applications include: Reduction of AC line interference produced by swithing power supplies, the opposing magnetic fluxes in the core serve to cancel inphase noise signals appearing across the AC line. Also used for noise suppression of DC circuits for switching regulators.

## PART NUMBER DERIVATION

<u>CMF3</u> - <u>2502SM LF</u>		
GEC Series		
Inductance: 3 signif. digits & mult. ex: 1003 = 100µH, 2503 = 250µH, 1004 = 1000µH		
<b>Tolerance:</b> All part numbers provide 30% tolerance on inductance <b>Termination:</b> LF = RoHS, No Suffix = SnPb (standard)		

### TAPE AND REEL SPECS

Pieces/reel maximum:	190
Pitch between parts:	32 mm
Tape width:	44 mm
Reel diameter:	13 in.

#### **One Magnetics Parkway** Gowanda, New York 14070, USA

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**REV: ISSUE** DATE: 12162020