

CMF4H SERIES



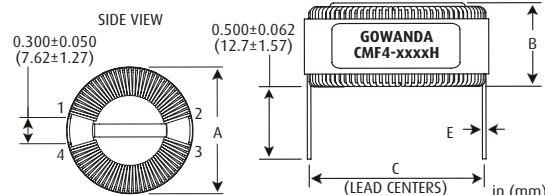
Horizontal Mount Common Mode Choke



SCHEMATIC



SIDE VIEW



PART NUMBER	L μ H @ 10 kHz	DCR Ω MAX	CURRENT RATING A DC	LEAKAGE L μ H REF	INTERWINDING CAPACITANCE pF REF	DIMENSIONS			
						A DIM NOM	B DIM NOM	C DIM NOM	E DIM NOM
CMF4-1003H	100	0.0025	15	1.5	4.8	1.04 (26.42)	0.440 (11.18)	0.800 (20.32)	0.051 (1.30)
CMF4-2503H	250	0.0038	12	3.2	8.0	1.04 (26.42)	0.440 (11.18)	0.800 (20.32)	0.051 (1.30)
CMF4-5003H	500	0.0060	10	5.8	9.7	1.04 (26.42)	0.425 (10.80)	0.800 (20.32)	0.045 (1.14)
CMF4-7503H	750	0.0130	6.7	8.0	12.0	1.00 (25.40)	0.425 (10.80)	0.800 (20.32)	0.036 (0.91)
CMF4-1004H	1000	0.0180	5.7	11	12.0	1.00 (25.40)	0.400 (10.16)	0.800 (20.32)	0.032 (0.81)
CMF4-1704H	1700	0.0600	3.1	22	11.0	0.950 (24.13)	0.370 (9.40)	0.800 (20.32)	0.020 (0.51)
CMF4-2504H	2500	0.0730	2.8	29	15.0	0.950 (24.13)	0.370 (9.40)	0.800 (20.32)	0.020 (0.51)
CMF4-3304H	3300	0.1250	2.2	38	15.0	0.950 (24.13)	0.370 (9.40)	0.800 (20.32)	0.016 (0.41)
CMF4-5004H	5000	0.1500	2.0	48	17.0	0.950 (24.13)	0.370 (9.40)	0.800 (20.32)	0.016 (0.41)
CMF4-7504H	7500	0.3000	1.4	80	20.0	0.950 (24.13)	0.370 (9.40)	0.800 (20.32)	0.013 (0.33)
CMF4-1005H	10000	0.3900	1.2	95	20.0	0.935 (23.75)	0.370 (9.40)	0.800 (20.32)	0.011 (0.28)

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:** 14 grams
- **Marking:** GOWANDA; Part 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
- Custom designs are available to meet your specific requirements; please contact factory
- **Applications:** Reduction of AC line interference produced by switching power supplies, the opposing magnetic fluxes in the core serve to cancel in phase noise signals appearing across the AC lines. Also used for noise suppression of DC circuits for switching regulators.

PART NUMBER DERIVATION

CMF4 - 1003H LF

GEC Series ————

Inductance: 3 signif. digits & mult. ————
ex: 1003 = 100 μ H, 1004 = 1000 μ H, 1005 = 10000 μ H

Tolerance: All part numbers provide 30% tolerance on inductance

Termination: LF = RoHS, No Suffix = SnPb (standard) ————

PACKAGING SPECS

Bulk Only