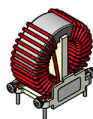


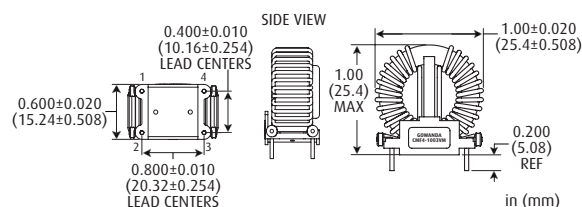
### CMF4VM SERIES



### Vertical Mount Common Mode Choke



SCHEMATIC



PART NUMBER	L $\mu$ H @ 10 kHz	DCR $\Omega$ MAX	CURRENT RATING A DC	LEAKAGE L $\mu$ H REF	INTERWINDING CAPACITANCE pF REF
CMF4-1003VM	100	0.0025	15	1.4	3.3
CMF4-2503VM	250	0.0038	12	3.1	6.6
CMF4-5003VM	500	0.0060	10	5.4	9.2
CMF4-7503VM	750	0.0130	6.7	7.8	12
CMF4-1004VM	1000	0.0180	5.7	10	10
CMF4-1704VM	1700	0.0600	3.1	21	11
CMF4-2504VM	2500	0.0730	2.8	28	15
CMF4-3304VM	3300	0.1250	2.2	36	16
CMF4-5004VM	5000	0.1500	2.0	50	19
CMF4-7504VM	7500	0.3000	1.4	80	22
CMF4-1005VM	10000	0.3900	1.2	90	20

## 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:** 13.5 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 - 1003VM LF**

**GEC Series** ———

**Inductance:** 3 signif. digits & mult. ———  
ex: 1003 = 100 $\mu$ H, 1004 = 1000 $\mu$ H, 1005 = 10000 $\mu$ H

**Tolerance:** All part numbers provide 30% tolerance on inductance

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

## PACKAGING SPECS

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REV: ISSUE  
DATE: 12162020