

COMMON MODE FILTERS

Series CM-L For power line



FEATURES

- ◆ Gausstek's CM-L common mode filter is characterized by its small sized with large power.
- ◆ Highly effective in noise suppression. High common-mode impedance at noise band and low differential-mode impedance at signal band.
- ◆ Due to the low differential-mode impedance with high coupling factor.
- ◆ Large energy storage capability.
- ◆ Flexibility for Customer Specification Design.

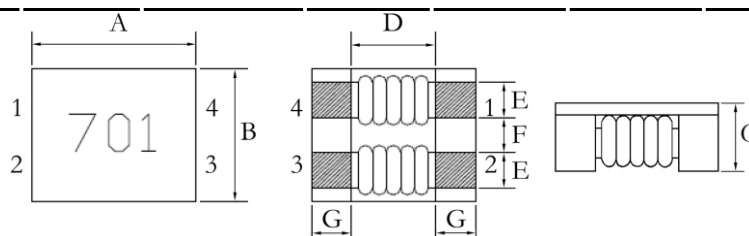
PRODUCT IDENTIFICATION

CM 12 L 11 I Y 80R
 a b c d e f g

- a : Type of products - SMD Common mode Filters
 b : Lenth (mm) - 07 = 7.0±0.5 09 = 9.0±0.5 12 = 12±0.5
 c : Material - Large current with UV Coating.
 d : Width (mm) - 06 = 6.0±0.5 07 = 7.0±0.5 10: 10.8±0.5
 e : Packing - PCS / REEL - I=500 Q=700 J=1,500
 f : Tolerance - Y: minimum
 g : Impedance - 80R = 80 Ω

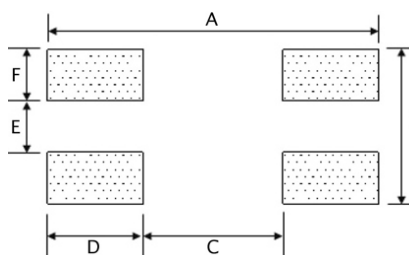
DIMENSIONS

Type	A ±0.5	B ±0.5	C max.	D ref.	E ±0.2	F ±0.2	G ±0.2
CM07L06	7.0	6.0	3.8	3.5	1.5	1.5	1.75
CM09L07	9.0	7.0	4.8	5.7	1.5	2.0	1.70
CM12L11	12.0	10.8	6.4	7.0	2.7	2.5	2.50

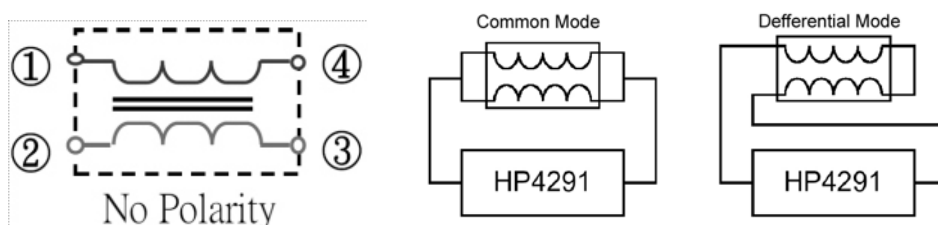


LAND PATTERNS

Type	A typ.	B typ.	C typ.	D typ.	E typ.	F typ.
CM07L06	6.9	4.5	2.5	2.2	1.5	1.5
CM09L07	11.0	5.0	5.0	3.0	1.5	1.8
CM12L11	12.2	8.1	6.8	2.7	2.3	2.9



STRUCTURE OF TEST CIRCUIT



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ELECTRICAL CHARACTERISTICS

Part Number	Impedance (Ω) min. at 100MHz	Impedance (Ω) typ. at 100MHz	DCR ($m\Omega$) max.	Rated Current (mA) max.	Insulation Resistance ($M\Omega$) max.	VDC (V) max.
CM07L06JY100R	100	140	10.0	9.0	10	80
CM07L06JY300R	225	300	10.0	5.0	10	80
CM07L06JY500R	275	350	10.0	5.0	10	80
CM07L06JY600R	500	700	15.0	4.0	10	80
CM07L06JY700R	500	700	15.0	4.0	10	80
CM07L06JY1K	800	1020	17.0	3.0	10	80
CM07L06JY1K3	910	1300	21.0	2.5	10	80
CM09L07QY300R	225	300	6.0	6.0	10	50
CM09L07QY500R	450	600	8.0	5.5	10	50
CM09L07QY700R	500	700	10.0	5.0	10	50
CM09L07QY1K	750	1000	13.0	4.0	10	50
CM09L07QY2K7	2000	2700	86.0	2.0	10	50
CM12L11IY80R	80	230	3.0	10.0	10	125
CM12L11IY700R	500	700	6.0	8.0	10	125
CM12L11IY1K	750	1000	14.0	6.0	10	125
CM12L11IY2K2	2000	2500	35.0	1.8	10	125
CM12L11IY2K7	2300	2700	50.0	1.5	10	125

* Temp rise:40°C Max

* Oper Temp:-40~125°C

* Stor Temp: -40~125°C