EMI/EMC FILTER

CL SERIES

FEATURES

- Miniature general purpose plastic case with metal cover.
- Varieties in circuit and component for right selection.
- Good filtering characteristics for both differential mode and common mode.
- Epoxy molded for reliability.
- Good shield effect by using metal cover.

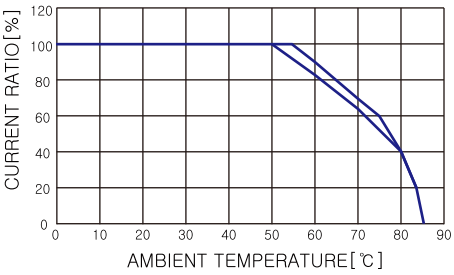
APPLICATIONS

- Personal computers and peripherals.
- Digital equipments.
- For industrial and OA equipments.
- For vending machines and FA equipments.

SPECIFICATIONS

Model	Rated Voltage (AC,DC)	Rated Current	Rated Current (250V AC)	Operating Temperature
CL 1/2-F10-12 (R)	250V	1A	0.35mA max.	-25°C to + 85°C Including temperature rise
CL 1/2-F10-13 (R)			0.50mA max.	
CL 1/2-F16-12 (R)	250V	1.6A	0.35mA max.	
CL 1/2-F16-13 (R)			0.50mA max.	
CL 1/2-F30-12 (R)	250V	3A	0.35mA max.	
CL 1/2-F30-13 (R)			0.50mA max.	
CL 1/2-F45-12 (R)	250V	4.5A	0.35mA max.	
CL 1/2-F45-13 (R)			0.50mA max.	
CL 1/2-F60-12 (R)	250V	6A	0.35mA max.	
CL 1/2-F60-13 (R)			0.50mA max.	

Derating Curve

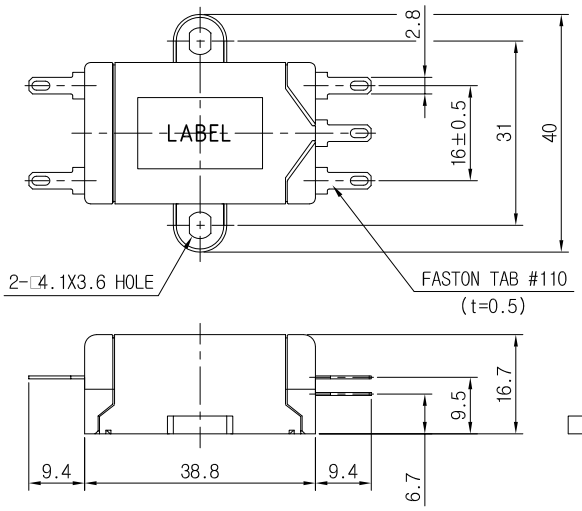


Note : Test Voltage : 1500V AC one minute, line to earth
Insulation Resistance: 300 Mohm min. at 500V DC
Voltage Drop : 1V max. at rated current
Weight : CL 1,2 Series : 27g

■ Model Number Construction

CL	1	F	10	1	2	R
Series Description: Screw Mounting/ Metallic Shield Case	Circuit : See Circuit Diagram next page	Input/Output Terminal style F:Faston Tab #110	Current Rating:AC rms 10 : 1 amp 16 : 1.6 amp 30 : 3 amp 45 : 4.5 amp 60 : 6 amp	Line-Line Cap.Value 1:0.1 μF	Line-Gnd Cap.Value 2:2200 pF 3:3300 pF	R:with resistor

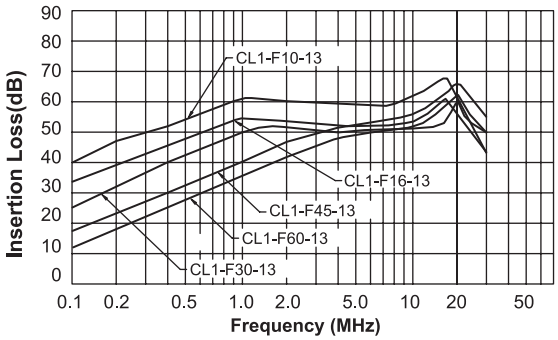
Shapes and Dimensions



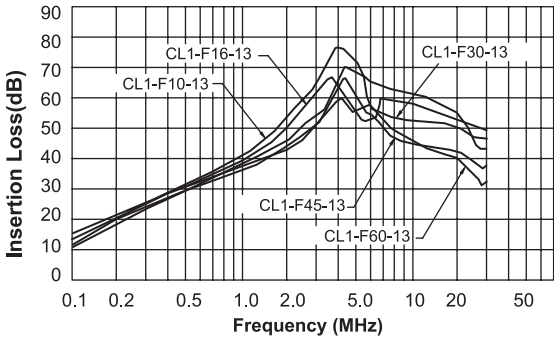
* Unit : mm
* General tolerance : ±1.0
* Metallic Shield Case

Attenuation Characteristics

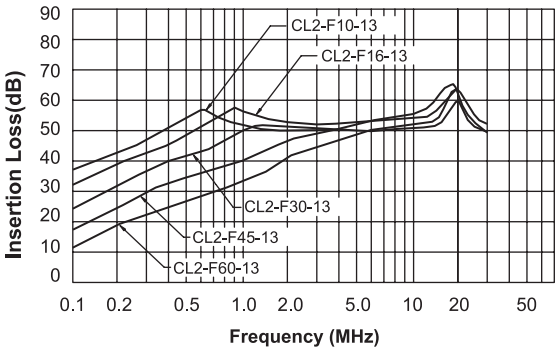
● Common Mode (CL1-F* *-13* types)



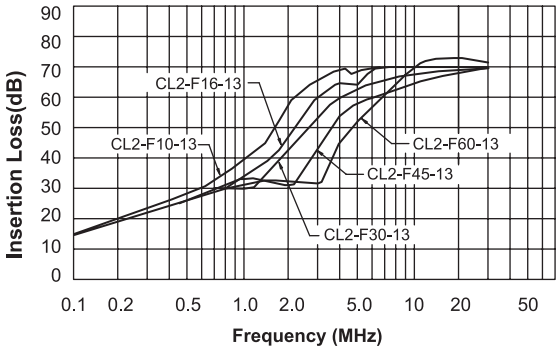
● Differential Mode (CL1-F* *-13* types)



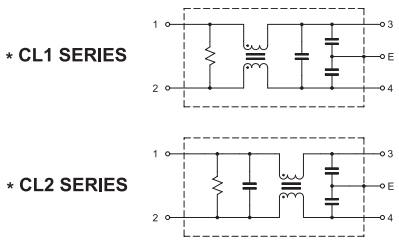
● Differential Mode (CL2-F* *-13* types)



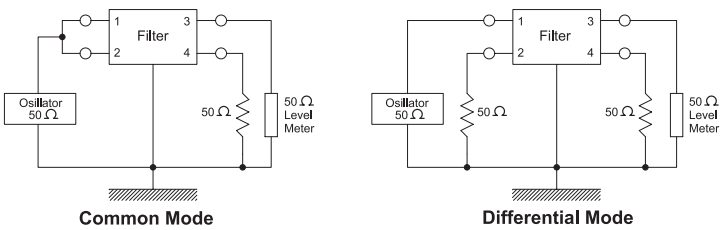
● Differential Mode (CL2-F* *-13* types)



● Circuit Diagram



● Measurement configuration



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