

# EMI/EMC FILTER

RoHS

## ES1 SERIES



### Features

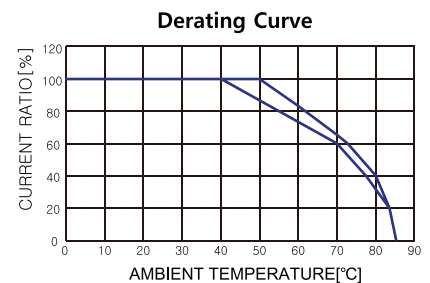
- Remarkable attenuation for high voltage impulse
- Good shield effect by using metal case
- Excellent filtering characteristics for both differential mode and common mode
- Epoxy molded for reliability
- Bidirectional structure effective for both noise from externally and internally generated

### Applications

- Digital equipments
- Battery, ESS equipments
- Mini computers and peripherals
- Measuring instruments, medical instruments
- Electric vehicle charger
- For equipment requiring very high impulse attenuation
- Suitable for FA equipments
- Industrial equipments like UPS, inverters, Converters
- Communication equipments
- OA equipments like copy machine, FAX, etc.,

### Specifications

Model	Rated Voltage (AC, DC)	Rated Current	Leakage Current (250V AC)	Operating Temperature
ES1-F05, T05	250V (50/60Hz)	5A	0.5mA max.	-25°C to +85°C Including temperature rise
ES1-F08, T08		8A		
ES1-F10, T10		10A		
ES1-F15, T15		15A		
ES1-F20, T20		20A		
ES1-T30		30A		



Many variations in X and Y capacitor value are available with approvals. For the details, consult with local agent.

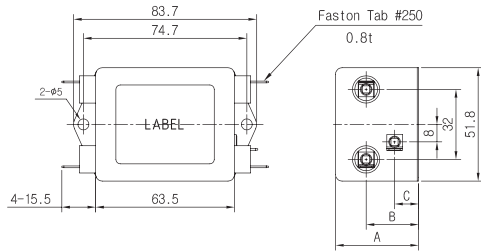
Note  
 Test Voltage : 1500V AC one minute, line to earth  
 Insulation Resistance : 300 Mohm min. at 500V DC  
 Voltage Drop : 1V max. at rated current  
 Weight : 250g for ES1-Series except 720g for ES1-T30

### Model Number Construction

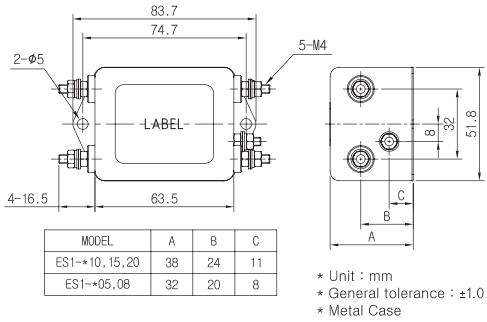
ES1	T	05
Series Description	Input/Output Terminal F : Faston Tab #250 T : M4 Stud M5 Stud(ES1-T30 Only)	Current Rating : AC rms 05 : 05amp 08 : 08amp 10 : 10amp 15 : 15amp 20 : 20amp 30 : 30amp

# Shapes and Dimensions

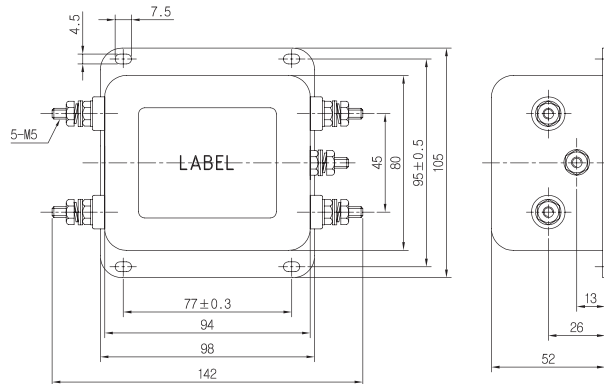
ES1-F\*\*



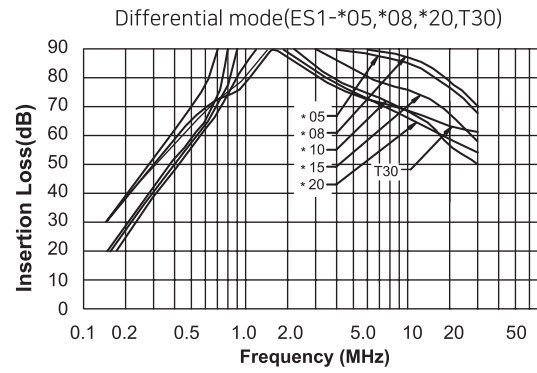
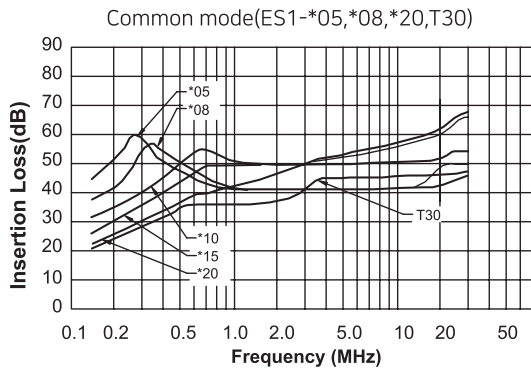
ES1-T\*\*



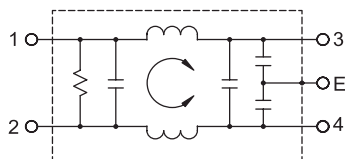
ES1-T30



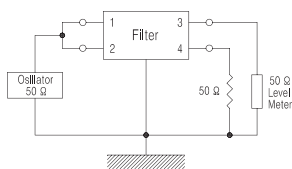
# Attenuation Characteristics



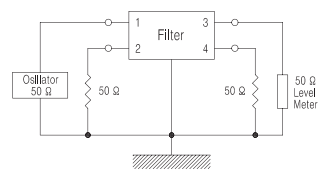
# Circuit Diagram



# Measurement Configuration



Common mode



Differential mode