

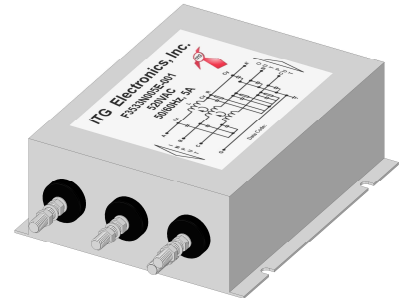


F3533N Series



1. Features of F3533N Series:

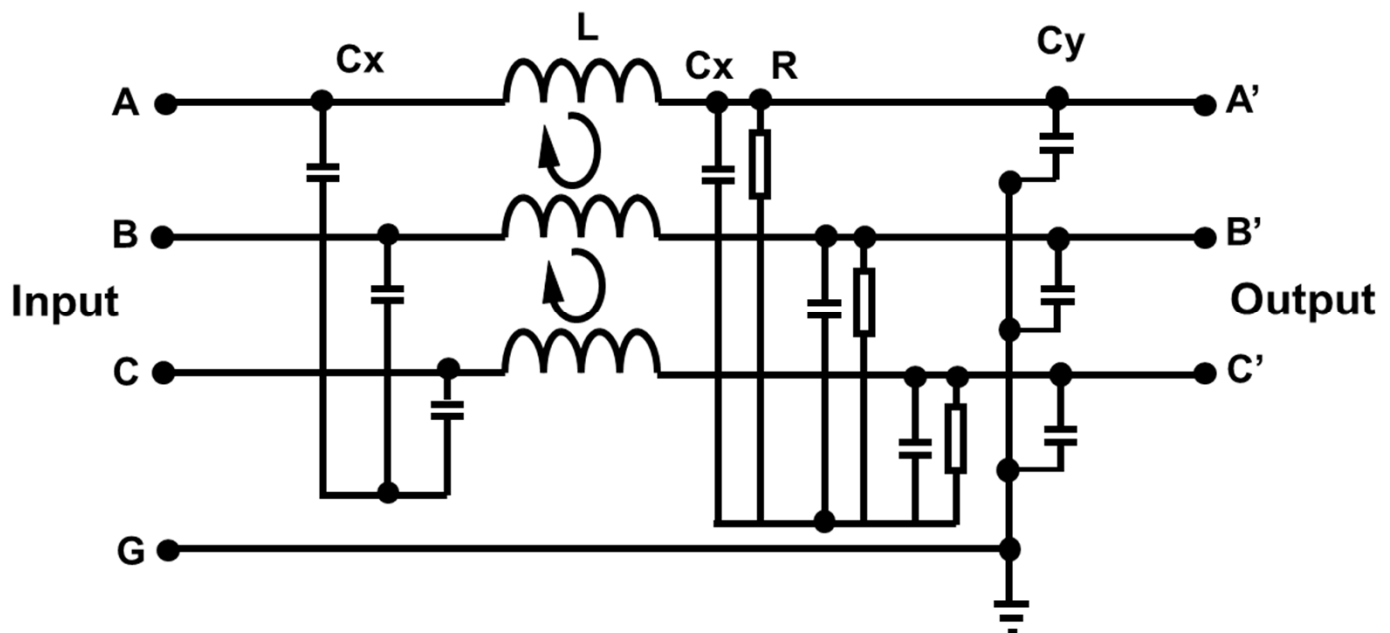
- Three Phase Delta single stage multi-purpose EMI Filters.
- Designed to suppress Common and Differential mode emissions
- Current Rating: 5A to 15A
- Voltage Rating: 520VAC
- Frequency: 50/60Hz
- Hi-Pot: Line to Ground: 2250VDC for 2 sec
Line to Line: 1450VDC for 2 sec
- Ambient Temperature Range: -25°C To +85°C
- Filter components are encapsulated in a plated metal enclosure
- Leakage Current: 50mA max. @ 250VAC 60Hz
- Applications: Power supplies, UPS, Inverters, Convertors, Industrial equipment, etc.
- Compliant with UL, cUL, VDE, CE and CQC safety and construction requirements



2. Electrical Characteristics :

ITG Part Number	Operating Current (A) at 40°C	Output terminal
F3533N005E-001	5	M5 screw
F3533N015E-001	15	M5 screw

3. Schematic:



● New York 1 914 347 2474 ● Taipei 886 2 2698 8669 ● Kaohsiung 886 7 350 2275
● Japan 81 568 85 2830 ● Shenzhen 86 755 8418 6263 ● Shanghai 86 21 5424 5141 ● Hong Kong 852 9688 9767
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**Due to continuous product improvement, all specifications are subject to change without prior notice. Kindly contact an ITG field application engineer or a sales representative prior to purchase.*

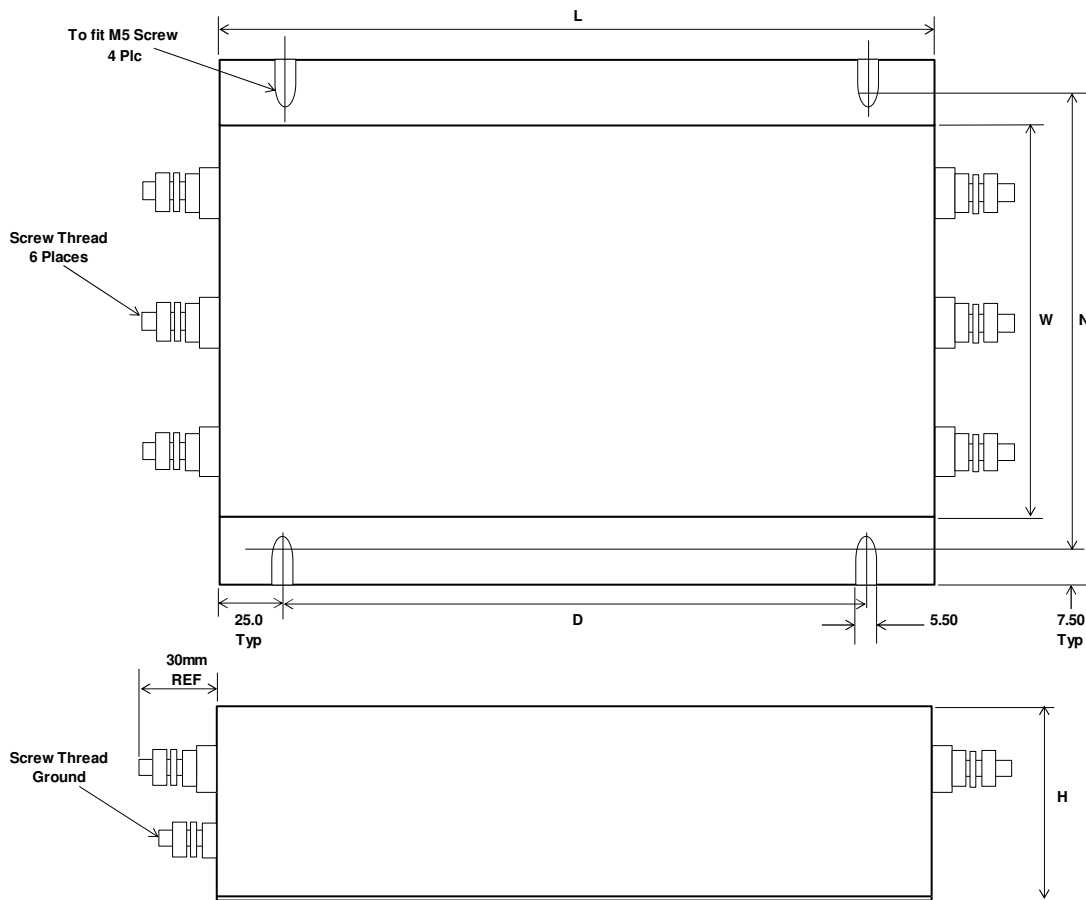


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4. Mechanical Dimensions (mm±2mm):

ITG Part Number	L	W	H	D	N	Ground Terminal
F3533N005E-001	140.0	105.0	51.0	90.0	120.0	M5
F3533N015E-001	140.0	105.0	51.0	90.0	120.0	M5



5. Insertion Loss at 50Ω system:

Freq.(MHz)	0.15	0.5	1	5	10	30	50
CM(dB)	46	67	75	71	60	55	40
DM(dB)	34	40	46	52	55	50	40

Notes:

Filter current rating should be de-rated at ambient temperatures higher than +40°C from formula below:

$$\text{Operating current} = \text{Rated Current} \times ((85 - \text{Operating temperature})/45)^{0.5}$$

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