# PE Series CHASSIS MOUNT, SINGLE AND DOUBLE STAGE EMI/RFI LINE FILTER.




## FEATURES

The PE series provides general-purpose common mode and differential mode filters. These filters are designed in a small package and offers single and double stage filtering.

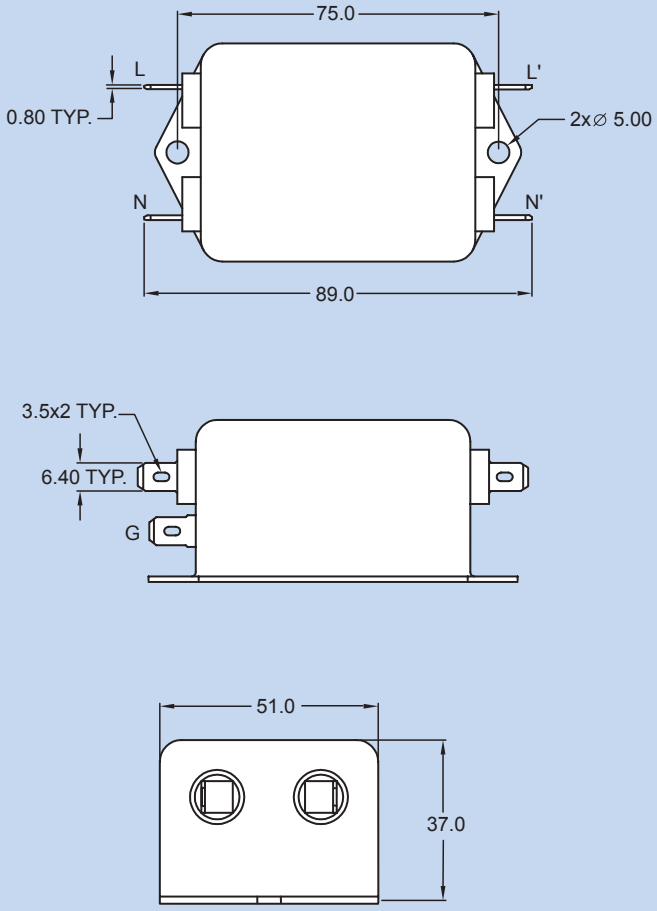
## APPLICATIONS

Computer & networking equipment, Measuring & control equipment, Data processing equipment, laboratory instruments, Switching power supplies, other electronic equipment.

## TECHNICAL DATA

- Rated Voltage: 250VAC
- Rated Current: 5A, 10A, 15A, 20A, 30A
- Power Line Frequency: 60Hz
- Leakage Current: 0.8mA, 250VAC
- Hipot Rating (one minute)
  - Line to Ground: 2250VDC
  - Line to Line: 1450VDC
- Temperature Range: -25C to +85C

## MECHANICAL DIMENSIONS (Unit: mm)




Specifications subject to change without notice. Dimensions (mm).

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Power Dynamics, Inc.

# PE Series Example & Ordering Code

**PE** [05] [Q] - [1]

CURRENT RATING (A): = 05 = 10 = 15 = 20 = 30*

TERMINAL: QUICK CONNECT = Q; SCREW = PS

SCHEMATIC: (ONE STAGE) = 1; (TWO STAGE) = 2

* Screw Mount Only

# PE Series Attenuation Tables

## Non-Medical Applications

Insertion loss in dB (50 Ohm circuit)

### ONE STAGE

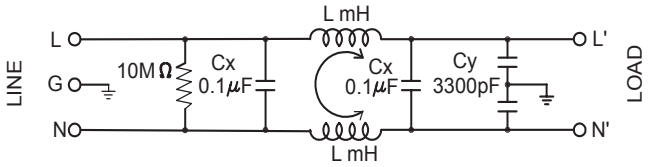
| Current Rating | Inductance in mH | Comm. Mode(L-G) MHz | | | | | | Diff. mode(L-L) MHz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | .15 | .5 | 1 | 5 | 10 | 30 | .15 | .5 | 1 | 5 | 10 | 30 |
| 5A | 5.0 | 6 | 42 | 38 | 35 | 37 | 32 | 30 | 40 | 33 | 29 | 31 | 27 |
| 10A | 3.0 | 28 | 42 | 37 | 34 | 34 | 35 | 5 | 44 | 42 | 39 | 40 | 38 |
| 15A | 2.0 | 23 | 39 | 31 | 28 | 30 | 23 | 9 | 39 | 37 | 33 | 36 | 27 |
| 20A | 0.9 | 14 | 22 | 24 | 31 | 34 | 28 | 9 | 32 | 31 | 36 | 39 | 34 |
| 30A | 0.5 | 16 | 24 | 26 | 29 | 38 | 39 | 14 | 22 | 34 | 35 | 42 | 40 |

### TWO STAGE

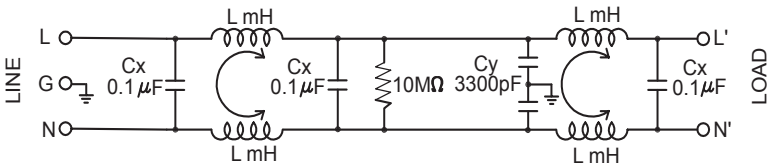
| Current Rating | Inductance in mH | Comm. Mode(L-G) MHz | | | | | | Diff. mode(L-L) MHz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | .15 | .5 | 1 | 5 | 10 | 30 | .15 | .5 | 1 | 5 | 10 | 30 |
| 5A | 5.0 | 53 | 84 | 70 | 58 | 53 | 51 | 7 | 57 | 58 | 57 | 52 | 48 |
| 10A | 1.2 | 26 | 63 | 76 | 66 | 62 | 42 | 8 | 77 | 72 | 62 | 57 | 53 |
| 15A | 0.9 | 28 | 57 | 68 | 67 | 63 | 46 | 15 | 33 | 60 | 59 | 56 | 61 |
| 20A | 0.5 | 14 | 39 | 49 | 63 | 59 | 38 | 13 | 25 | 57 | 64 | 57 | 45 |

## SCHEMATICS

### ONE STAGE




### TWO STAGE






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