

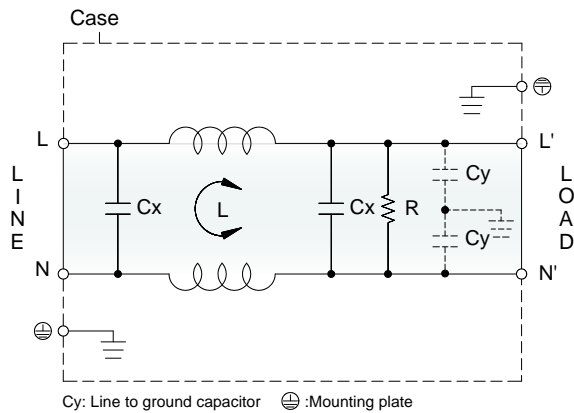
Features

- Premium attenuation of common-mode noise
- Light weight, small size plastic housing design
- Current rating 1A~30A
- Integrated nut is in hinged cover for reliable ring lug wiring
- Widely used in SMPS

Marketing Applications

- SMPS
- Ultrasonic welding machine
- Electric appliance cabinet
- Medical device (not body-coupled)
- High power office equipment

Electrical Schematic



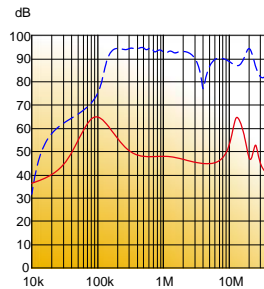
Special Features

- CEAC series: best frequency bands 150kHz~1MHz.
- CEAP series: high-voltage pulses.

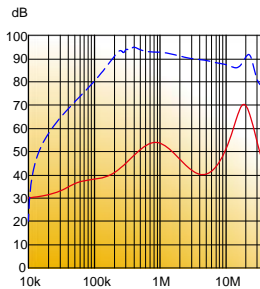
Filter Attenuation

Insertion loss (dB) in 50 ohm system CISPR 17 (for reference only)

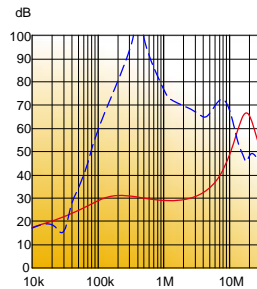
■ 1A~3A



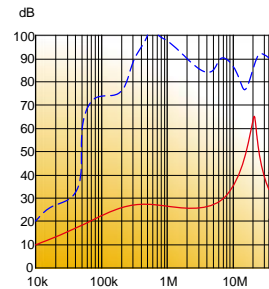
■ 6A~10A



■ 15A~20A



■ 30A



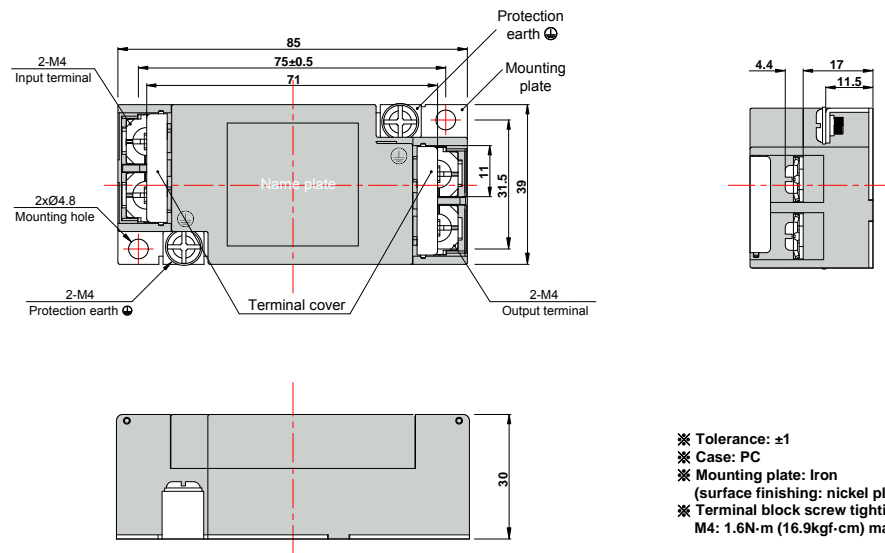
Common mode / Asymmetric (L-G) ————
 Differential mode / Symmetric (L-L) - - - - -

Technical Data and Measuring Conditions

| No. | CEAC series Filter PRJ No. | 01CEAC472 | 03CEAC472 | 06CEAC472 | 10CEAC472 | 15CEAC472 | 20CEAC472 | 30CEAC472 |
|-----|----------------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|
| | CEAP series Filter PRJ No. | 01CEAP472 | 03CEAP472 | 06CEAP472 | 10CEAP472 | 15CEAP472 | 20CEAP472 | 30CEAP472 |
| 1 | Rated voltage | AC 1∅ 250V / DC250V | | | | | | |
| 2 | Rated current | 1A | 3A | 6A | 10A | 15A | 20A | 30A |
| 3 | Test voltage | 2,500 VAC (Cutoff current: 20mA), 1 min. at room temperature and humidity | | | | | | |
| 4 | Isolation resistance | 500VDC 100MΩ min. at room temperature and humidity | | | | | | |
| 5 | Leakage current | 1mA @250VAC/60Hz (max.) | | | | | | |
| 6 | Cy cap. value | 0 ~ 0.47nF | | | | | | |
| 7 | Voltage drop | 1.0V max. | | | | | | |
| 8 | Safety approval temp. | -25° ~ +100° | | | | | | |
| 9 | Operating temperature | -40° ~ +100° | | | | | | |
| 10 | Operating humidity | 20 ~ 95%RH (Non condensing) | | | | | | |
| 11 | Storage temp. / humidity | -40° ~ +100°; 20 ~ 95%RH (Non condensing) | | | | | | |
| 12 | Vibration | 10 ~ 55Hz, 19.6m/s ² (2G), 3 min. period, 1 hour each X,Y,Z axis | | | | | | |
| 13 | Impact | 196.1m/s ² (20G), 11ms, once along X,Y,Z axis | | | | | | |
| 14 | Safety approvals | UL1283, CSA C22.2 No.8 (C-UL), VDE0565 Teil3-1, IEC/EN60939 | | | | | | |

Mechanical Drawing (unit: mm)

● Chassis mounting



- ※ Tolerance: ±1
- ※ Case: PC
- ※ Mounting plate: Iron
(surface finishing: nickel plating) t= 1.0
- ※ Terminal block screw tightening torque
M4: 1.6N·m (16.9kgf·cm) max.