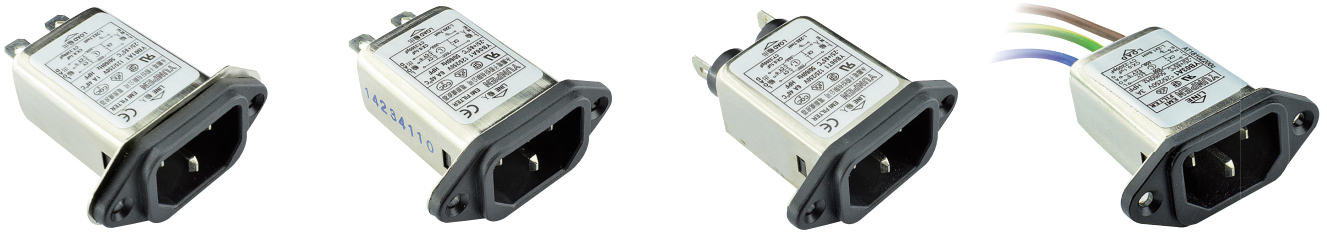


YB SERIES (IEC Inlet Filters)



Features

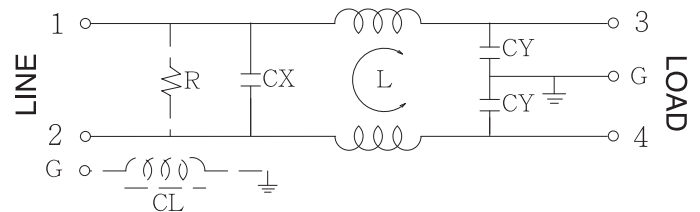
- The YB series filter integrates an IEC inlet and filter with excellent noise suppression performance and compact size.
- The rated current can be offered up to 15 amps.
- Various output selections such as fast-on terminal, solder lug terminal, and lead wire.
- The choice of integrated earth line choke is also available.
- Low leakage current version upon requested.
- Approved by UL, CSA, VDE, CQC and CE
- Custom-specific versions are available on request
- Application for Electrical and electronic equipment, Single-phase power supplies, UPS, Medical equipment, Test and measurement equipment.

Technical Specification

| | |
|------------------------------|---|
| Rated voltage | 125/250VAC |
| Rated currents | 1 to 15A |
| Operating frequency | 50/60Hz |
| Hipot rating(Line-to-line) | 1450VDC |
| Hipot rating(Line-to-ground) | 2250VDC |
| Temperature rise | 40°C MAX |
| Operating temperature | -25~+85°C |
| Safety compliance | 1 to 10A (VDE,CQC) ; 1 to 15A (UL,CSA) |

*CSA except YB08T and YB15T

Typical electrical schematic



*With optional ground choke and resistor.

R: 1M ohm

CL: 100 μH

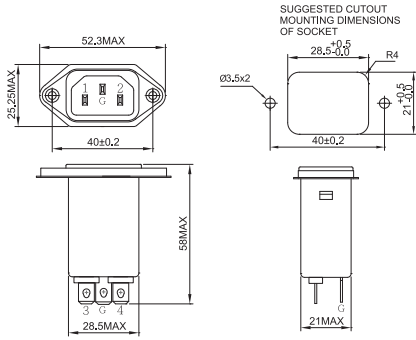
Filter Selection Table

| Part No. | Rated Current A | Inductance L(mH) | Capacitance CX(μF) | Capacitance CY(pF) | Output connections |
|-----------|--------------------|---------------------|-----------------------|-----------------------|--|
| YB01A1/T1 | 1 | 3.7 | 0.1 | 3300 | Fast-on terminal (optional lead-wire) |
| YB03A1/T1 | 3 | 1.8 | 0.1 | 3300 | |
| YB06A1/T1 | 6 | 0.7 | 0.1 | 3300 | |
| YB08A1/T1 | 8 | 1.8 | 0.1 | 3300 | |
| YB10A1/T1 | 10 | 0.3 | 0.1 | 3300 | |
| YB15A1/T1 | 15 | 0.3 | 0.1 | 3300 | |
| YB01A3/T3 | 1 | 3.7 | 0.1 | 3300 | Solder lug terminal |
| YB03A3/T3 | 3 | 1.8 | 0.1 | 3300 | |
| YB06A3/T3 | 6 | 0.7 | 0.1 | 3300 | |
| YB08A3/T3 | 8 | 1.8 | 0.1 | 3300 | |
| YB10A3/T3 | 10 | 0.3 | 0.1 | 3300 | |
| YB15A3/T3 | 15 | 0.3 | 0.1 | 3300 | |

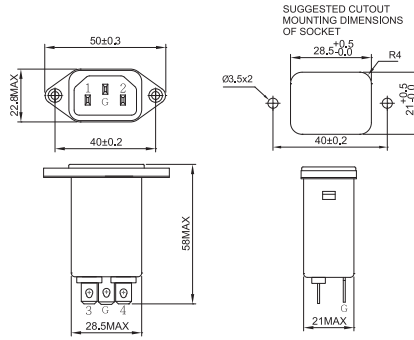
*Please contact us for other parts or spec.

Physical Dimensions: (mm)

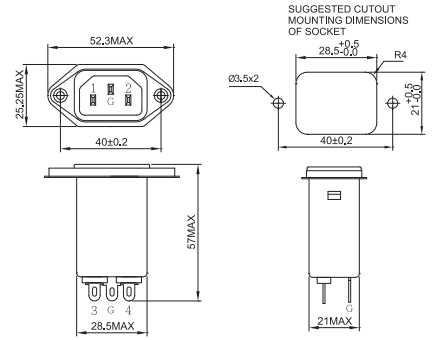
YB-A1



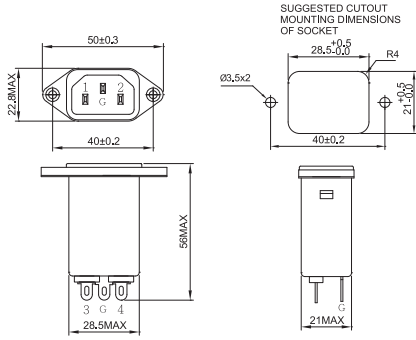
YB-A1-A



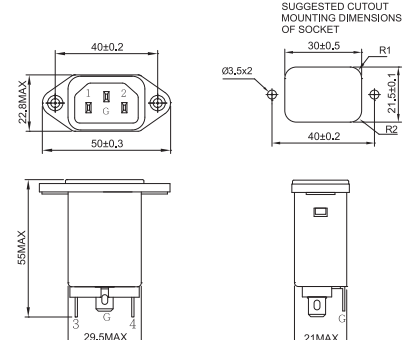
YB-A3



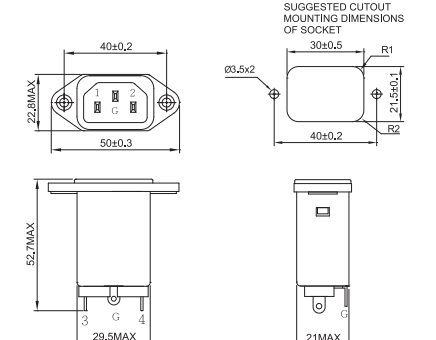
YB-A3-A



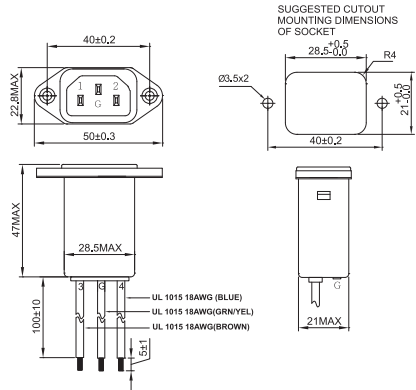
YB-T1



YB-T3

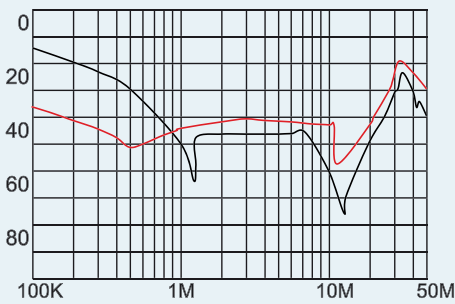


YB-A (lead-wire)

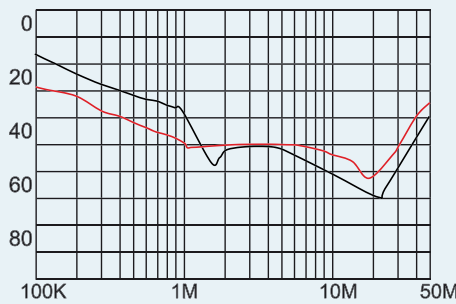


Typical filter attenuation (Common mode — Normal mode —)

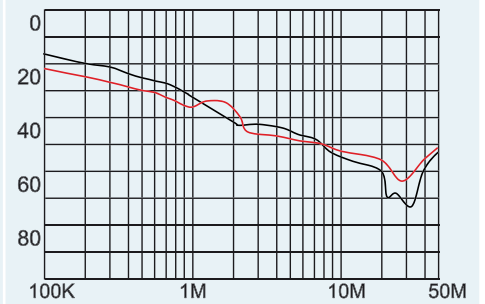
YB-01



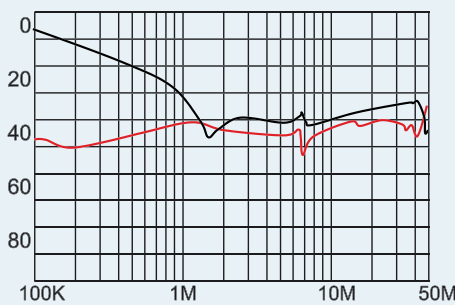
YB-03



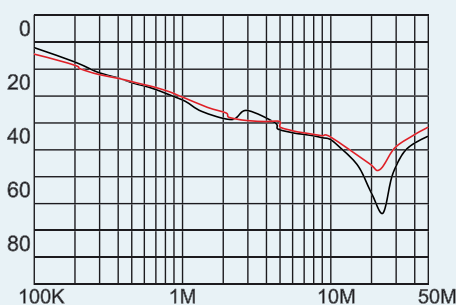
YB-06



YB-08



YB-10



YB-15

