

EMC Components

EMC Filters for AC Power Supply

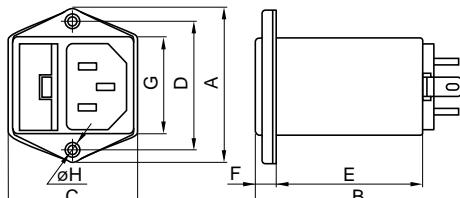
Inlet-Socket with Fuse

ZUB.U-H, ZUB.D-H Series

FEATURES

- Either single fuse filters(U type) or double fuse filters(D type).
- Superior attenuation of common-mode noise due to the use of a feed-through capacitor.
- Internal fuse simplifies maintenance(Without spare fuse).
- Leakage current is maintained below 0.5mA.
- Uses Faston® #250 output terminals, simplifying handling and maintenance, and permitting soldering.

SHAPES AND DIMENSIONS



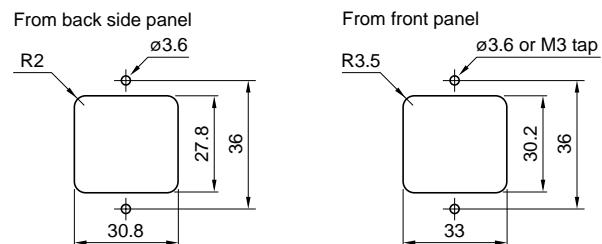
APPLICATIONS

Computer terminals, various types of office automation equipment, digital devices(ECRs, etc.), measurement equipment, medical equipment, etc.

SAFETY STANDARDS

| Part No. | UL(NRTL) | CSA | NEMKO |
|----------|------------|----------|-----------|
| ZUB-H | 2500008659 | LR76849C | P01101441 |

Typical dimensions for installation



| Series | A | B | C | D | E | F | G | ØH |
|---------|----|----|----|----|----|----|----|-----|
| ZUB-U-H | 44 | 68 | 37 | 36 | 41 | 6 | 27 | 3.5 |
| ZUB-D-H | 44 | 77 | 37 | 36 | 41 | 15 | 27 | 3.5 |

• Case:metal, input terminal:inlet-socket(EN60320), output terminal: Faston® #250(t:0.8mm)

ELECTRICAL CHARACTERISTICS

| Part No. | ZUB2203U-H | ZUB2206U-H | ZUB2210U-H | |
|---|--|------------------------|------------------------|-------------------------|
| Rated voltage Eac (V) | 250 | 250 | 250 | |
| Rated current (A) | 3 | 6 | 10 | |
| Test voltage Eac (V) [Between terminal and ground terminal] | 1500 | 1500 | 1500 | |
| Insulation resistance (MΩ) [DC.500V, 1min/between terminal and ground terminal] | 100min. | 100min. | 100min. | |
| Leakage current (mA) [250V • 60Hz] | 0.5max. | 0.5max. | 0.5max. | |
| DC resistance (mΩ) | 150max. | 100max. | 70max. | |
| Operating temperature range (°C)[Including self-temperature rise] | -25 to +85 | -25 to +85 | -25 to +85 | |
| With derating over(°C) | 55 | 55 | 55 | |
| Temperature rise (°C) | 30max. | 30max. | 30max. | |
| Attenuation frequency range (MHz) [+5 to +35°C] | Differential mode 30dB Common-mode 30dB | 2 to 1000 1 to 1000 | 3 to 1000 4 to 1000 | 6 to 1000 20 to 1000 |
| Weight (g) | 76 | 76 | 76 | |

| Part No. | ZUB2203D-H | ZUB2206D-H | ZUB2210D-H | |
|---|--|------------------------|------------------------|-------------------------|
| Rated voltage Eac (V) | 250 | 250 | 250 | |
| Rated current (A) | 3 | 6 | 10 | |
| Test voltage Eac (V) [Between terminal and ground terminal] | 1500 | 1500 | 1500 | |
| Insulation resistance (MΩ) [DC.500V, 1min/between terminal and ground terminal] | 100min. | 100min. | 100min. | |
| Leakage current (mA) [250V • 60Hz] | 0.5max. | 0.5max. | 0.5max. | |
| DC resistance (mΩ) | 150max. | 100max. | 70max. | |
| Operating temperature range (°C)[Including self-temperature rise] | -25 to +85 | -25 to +85 | -25 to +85 | |
| With derating over(°C) | 55 | 55 | 55 | |
| Temperature rise (°C) | 30max. | 30max. | 30max. | |
| Attenuation frequency range (MHz) [+5 to +35°C] | Differential mode 30dB Common-mode 30dB | 2 to 1000 1 to 1000 | 3 to 1000 4 to 1000 | 6 to 1000 20 to 1000 |
| Weight (g) | 80 | 80 | 80 | |

• Faston® is a registered trademark of Tyco Electronics AMP Corp. Incorporated.

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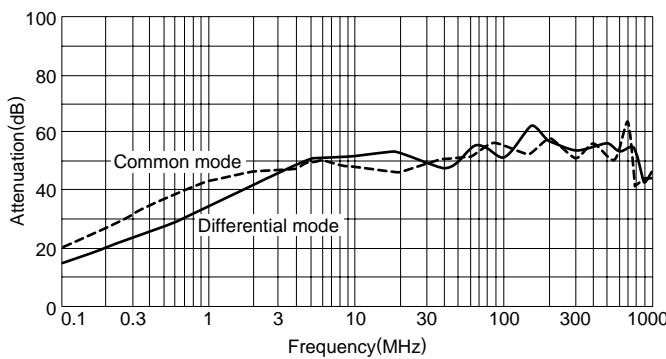
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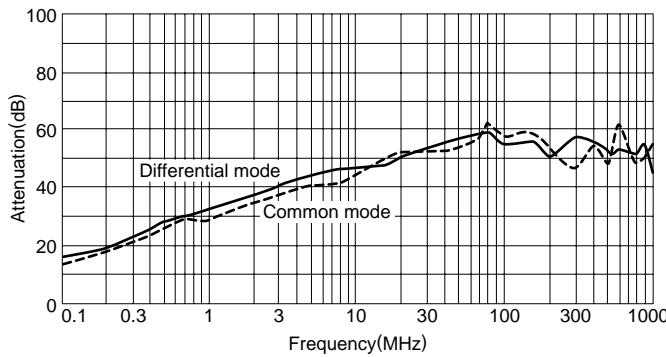
TYPICAL ELECTRICAL CHARACTERISTICS

ATTENUATION vs. FREQUENCY CHARACTERISTICS

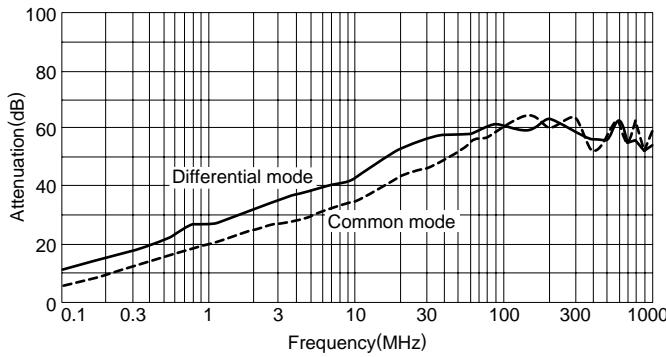
ZUB2203U-H/D-H



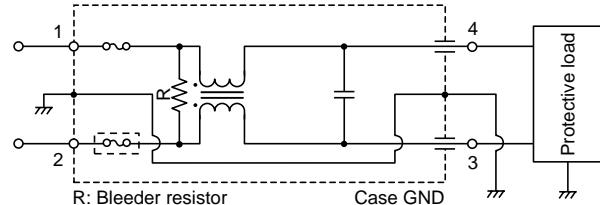
ZUB2206U-H/D-H



ZUB2210U-H/D-H



CIRCUIT DIAGRAM



- The U type lacks a fuse within the circuit region indicated by the dashed line.

