

EMC Components

EMC Filters for AC Power Supply Cased (Mid-Size)

ZRAC-11 Series

FEATURES

- New 3A and 30A additions to company's major product line, the ZAC-11 series, featuring block terminal type input-output. Shape and performance of 6 to 20A models are equivalent to the ZAC-11 series .
- Great attenuation of both differential mode and common mode noise.
- Withstands AC.2500V between lines and ground.
- Block terminal board makes possible single-direction wiring of EMC filter lines, thereby simplifying filter wiring. Safety is assured by attachment of a cover to the terminal board.

SAFETY STANDARDS

| Part No. | UL | CSA | NEMKO |
|-------------|--------|----------|-----------|
| ZRAC2203-11 | E62388 | LR76849C | P98101522 |
| ZRAC2206-11 | E62388 | LR76849C | P98101522 |
| ZRAC2210-11 | E62388 | LR76849C | P98101522 |
| ZRAC2220-11 | E62388 | LR76849C | P98101522 |
| ZRAC2230-11 | E62388 | LR76849C | P98101522 |

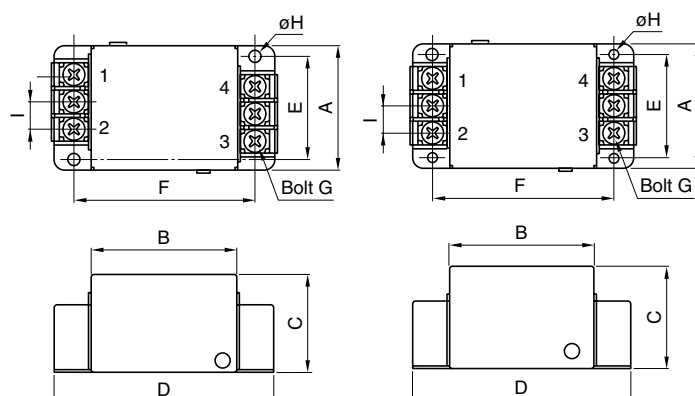
APPLICATIONS

Computers and terminal devices,digital control equipment, general control equipment, office automation equipment,noise control devices,various types of electronic equipment, other industrial devices, etc.

SHAPES AND DIMENSIONS

3A

6 to 30A



Dimensions in mm

| Part No. | A | B | C | D | E | F | G | øH | I |
|-------------|------|----|------|-------|----|-----|----|-----|-------|
| ZRAC2203-11 | 46 | 49 | 30.5 | 77.5 | 37 | 63 | M4 | 4.6 | 10.25 |
| ZRAC2206-11 | 52 | 62 | 40.5 | 90.5 | 42 | 76 | M4 | 4.6 | 10.25 |
| ZRAC2210-11 | 52 | 62 | 40.5 | 90.5 | 42 | 76 | M4 | 4.6 | 10.25 |
| ZRAC2220-11 | 56.5 | 74 | 46.5 | 102.5 | 45 | 88 | M4 | 4.6 | 10.25 |
| ZRAC2230-11 | 56.5 | 90 | 51 | 119 | 45 | 105 | M4 | 4.6 | 10.25 |

• Case:metal, block terminal: phillips head screw terminals, terminal cover:polyvinyl chloride terminal cover plate.

ELECTRICAL CHARACTERISTICS

| Part No. | ZRAC2203-11 | ZRAC2206-11 | ZRAC2210-11 | ZRAC2220-11 | ZRAC2230-11 |
|--|--|------------------------|------------------------|------------------------|------------------------|
| Rated voltage Eac (V) | 250 | 250 | 250 | 250 | 250 |
| Rated current (A) | 3 | 6 | 10 | 20 | 30 |
| Test voltage Eac (V) [Between terminal and case] | 2500 | 2500 | 2500 | 2500 | 2500 |
| Insulation resistance (MΩ) [DC.500V,1min/between terminal and case] | 100min. | 100min. | 100min. | 100min. | 100min. |
| Leakage current (mA) [250V • 60Hz] | 1max. | 1max. | 1max. | 1max. | 1max. |
| DC resistance (mΩ) | 360 | 160 | 60 | 20 | 8 |
| Operating temperature range (°C) [Including self-temperature rise] | -25 to +85 | -25 to +85 | -25 to +85 | -25 to +85 | -25 to +85 |
| With derating over(°C) | 55 | 55 | 55 | 55 | 55 |
| Temperature rise (°C) | 30max. | 30max. | 30max. | 30max. | 30max. |
| Attenuation frequency range (MHz)[+5 to +35°C] | Differential mode at 40dB Common mode at 40dB | 0.3 to 30 0.2 to 30 | 0.4 to 30 0.2 to 30 | 0.7 to 30 0.5 to 30 | 0.8 to 30 0.5 to 30 |
| Weight (g) | 140 | 270 | 310 | 440 | 540 |

• All specifications are subject to change without notice.

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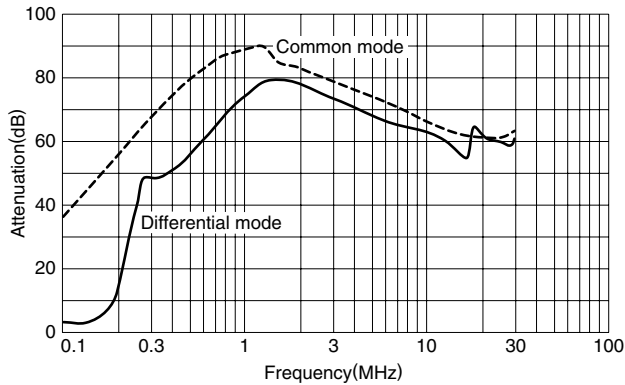
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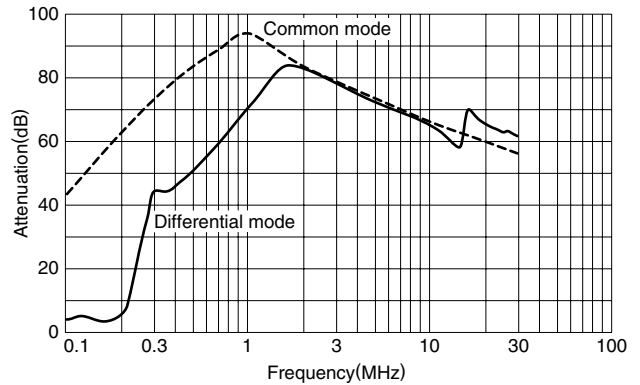
TYPICAL ELECTRICAL CHARACTERISTICS

ATTENUATION vs.FREQUENCY CHARACTERISTICS

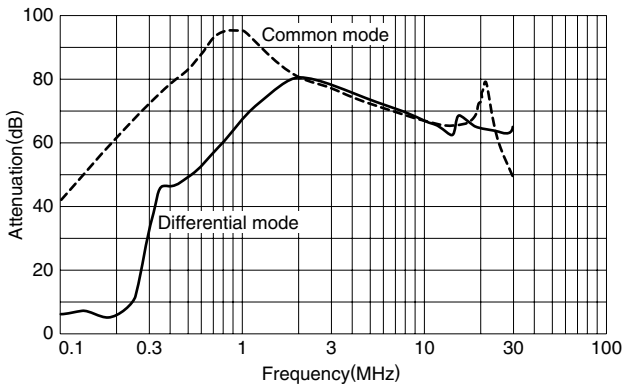
ZRAC2203-11



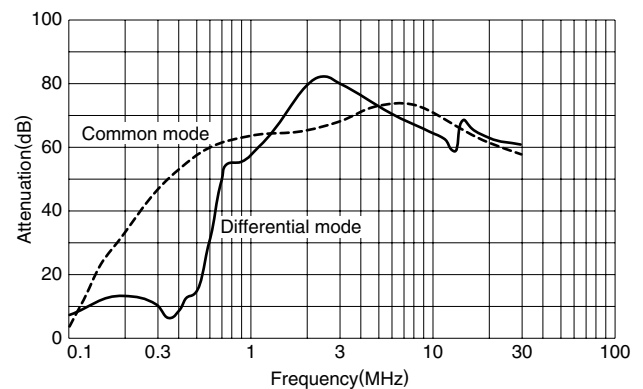
ZRAC2206-11



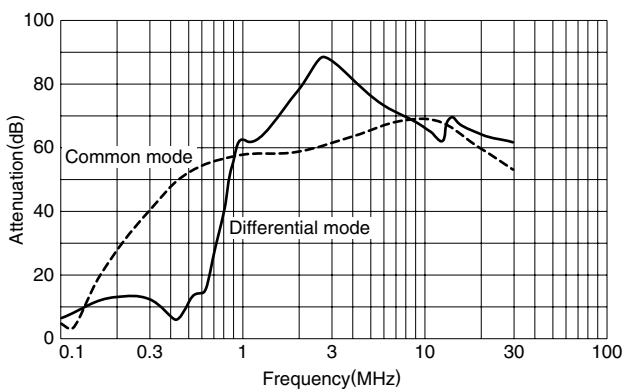
ZRAC2210-11



ZRAC2220-11



ZRAC2230-11



CIRCUIT DIAGRAM

