

EMC Components

EMC Filters for AC Power Supply Cased (3-Phase, Mid-Size)

ZRWT-ME Series

FEATURES

- Two-stage construction, utilizing both common-mode and differential mode chokes to greatly improve attenuation characteristics. Highly compact and light weight.
- Great attenuation of both differential mode and common-mode noise within the CISPR frequency range.
- Provides self-recovery protection and high reliability due to use of capacitors between lines and ground.
- Withstands AC.2000V between lines and ground.
- Block terminal board simplifies wiring by making possible single-direction wiring of EMC filter terminal lines. Cover attached to the terminal board assures safety.

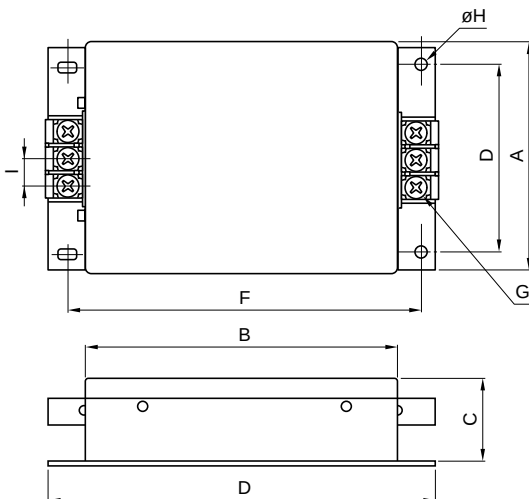
SAFETY STANDARD

Part No.	NEMKO
ZRWT2205-ME	P98101522
ZRWT2210-ME	P98101522
ZRWT2220-ME	P98101522
ZRWT2230-ME	P98101522

APPLICATIONS

Computers, general control equipment, numerical control equipment, general-purpose inverter power sources, and other industrial equipment applications.

SHAPES AND DIMENSIONS



Dimensions in mm

Part No.	A	B	C	D	E	F	G	øH	I
ZRWT2205-ME	85	120	40	160	68	140	M4	4.2	16
ZRWT2210-ME	90	150	40	190	68	170	M4	5.2	16
ZRWT2220-ME	100	170	50	210	78	190	M4	5.2	16
ZRWT2230-ME	125	170	60	210	101	190	M6	5.2	27.5

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

ELECTRICAL CHARACTERISTICS

Part No.	ZRWT2205-ME	ZRWT2210-ME	ZRWT2220-ME	ZRWT2230-ME
Rated voltage Eac(V)	250	250	250	250
Rated current(A)	5	10	20	30
Test voltage Eac (V) [Between terminal and case]	2000	2000	2000	2000
Insulation resistance (MΩ)[DC.500V,1min / between terminal and case]	100min.	100min.	100min.	100min.
Leakage current (mA)[250V • 60Hz]	1max.	1max.	1max.	1max.
DC resistance (mΩ)	160max.	80max.	25max.	15max.
Operating temperature range (°C) [Including self-temperature rise]	−25 to +85	−25 to +85	−25 to +85	−25 to +85
Temperature rise (°C)	35max.	35max.	35max.	35max.
Attenuation frequency range (MHz)[+5 to +35°C]	Differential mode at 40dB	0.2 to 30	0.2 to 30	0.3 to 30
		0.2 to 30	0.2 to 30	0.3 to 30
Weight (kg)	Common-mode at 40dB	0.2 to 30	0.2 to 30	0.3 to 30
		0.2 to 30	0.2 to 30	0.5 to 30

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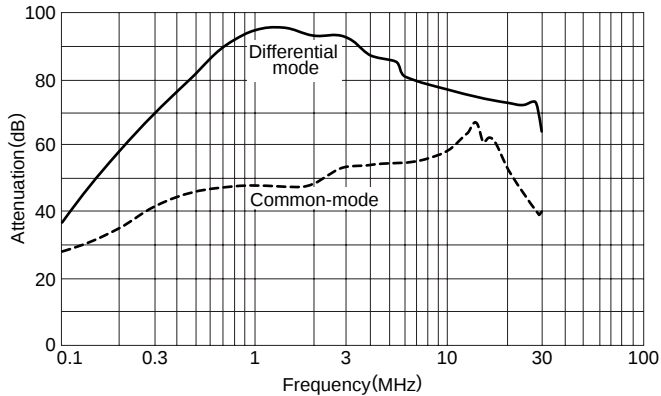
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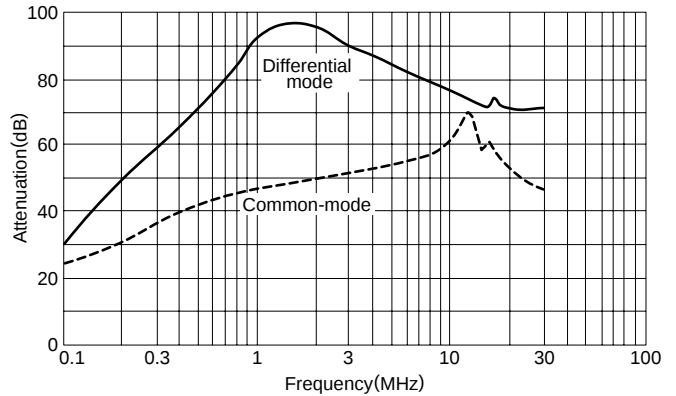
TYPICAL ELECTRICAL CHARACTERISTICS

ATTENUATION vs. FREQUENCY CHARACTERISTICS

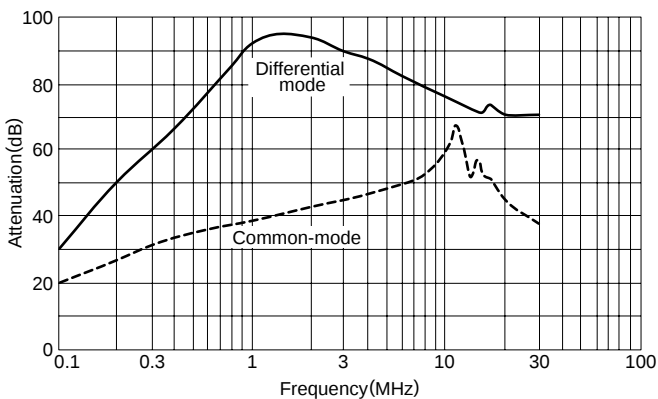
ZRWT2205-ME



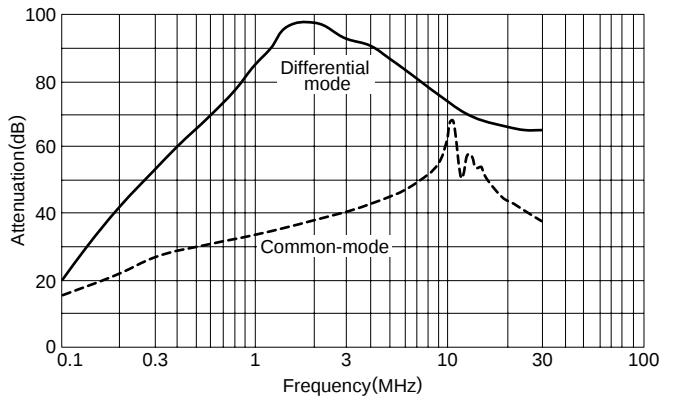
ZRWT2210-ME



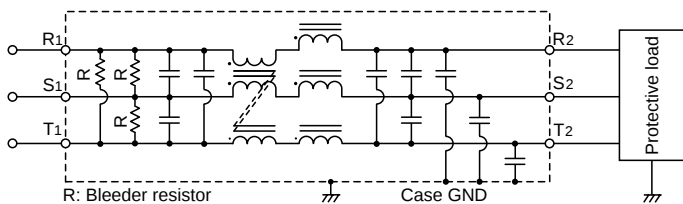
ZRWT2220-ME



ZRWT2230-ME



CIRCUIT DIAGRAM



INFORMATION

- When there is a danger of a high energy pulse voltage (over 2kV for over 1μs), use a surge absorbing element such as a varistor, or arrestor on the EMC filter power supply input side.

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