

EMC Components

EMC Filters for AC Power Supply Cased (Compact Size)

ZRC-11S, ZRC-11S-A Series

FEATURES

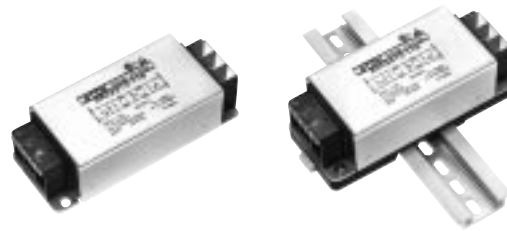
- Compact and lightweight, these EMC filters dissipate heat efficiently and are capable of withstanding currents up to 20A.
- The ZRC-11S-A series are equipped with a special attachment that facilitates mounting onto a DIN rail.
- Incorporating a common-mode choke coil with an amorphous core, these filters offer excellent EMC suppression and is recommended for the prevention of malfunctions in digital devices.
- They provide substantial attenuation of high-voltage pulses in power supply lines, exhibiting more than 20dB attenuation for a 2kV, 400ns pulse.

APPLICATIONS

Computers and other terminal devices, office automation equipment, general control devices, and other industrial devices.

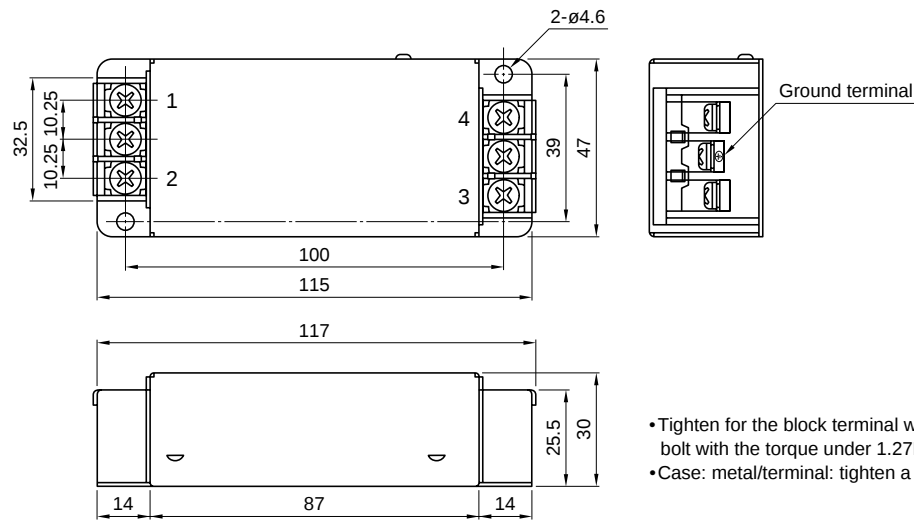
SAFETY STANDARDS

Part No.	CSA	TÜV
ZRC2206-11S	LR76849C	R9650946
ZRC2206-11S-A		R9650946
ZRC2210-11S	LR76849C	R9650946
ZRC2210-11S-A		R9650946
ZRC2220-11S	LR76849C	R9650946
ZRC2220-11S-A		R9650946

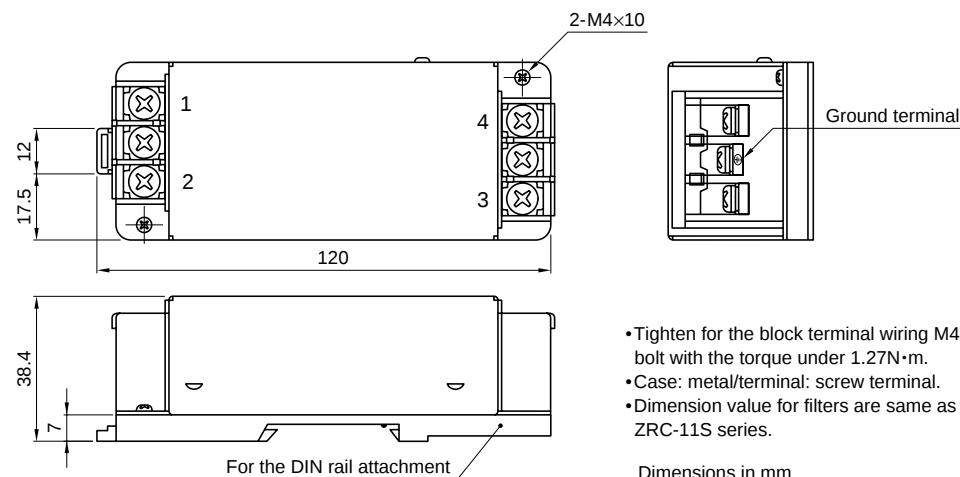


SHAPES AND DIMENSIONS

ZRC-11S



ZRC-11S-A (With attachment for the DIN rail)



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ELECTRICAL CHARACTERISTICS

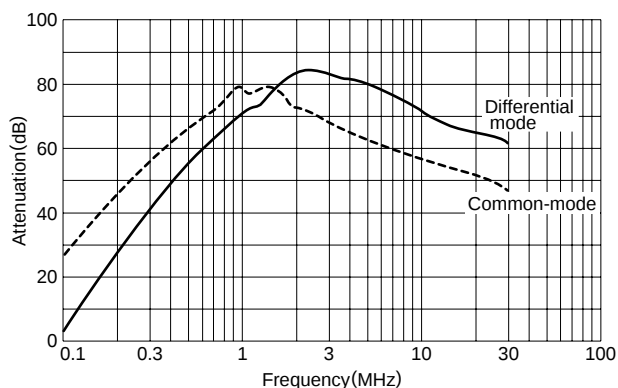
Part No.	ZRC2206-11S ZRC2206-11S-A	ZRC2210-11S ZRC2210-11S-A	ZRC2220-11S ZRC2220-11S-A
Rated voltage Eac(V)	250	250	250
Rated current(A)	6	10	20
Test voltage Eac(V)[Between terminal and case]	2000	2000	2000
Insulation resistance(MΩ) [DC.500V, 1min/between terminal and case]	100min.	100min.	100min.
Leakage current(mA)[250V • 60Hz]	1max.	1max.	1max.
DC resistance(mΩ)	120max.	50max.	12max.
Operating temperature range(°C)[Including self-temperature rise]	-25 to +85	-25 to +85	-25 to +85
Temperature rise(°C)	35max.	35max.	35max.
Attenuation frequency range (MHz)[+5 to +35°C]	Differential mode 40dB 0.4 to 30	0.5 to 30	1 to 30
	Common-mode 40dB 0.2 to 30	0.5 to 30	4 to 30
Pulse attenuation characteristics	Differential at 20dB 2	1.2	0.6[10dB]
Input pulse voltage(kV)*	Common-mode at 20dB 2	1.2	0.6[10dB]
Weight(g)	180	182	182

* Input pulse width: 0.4μs

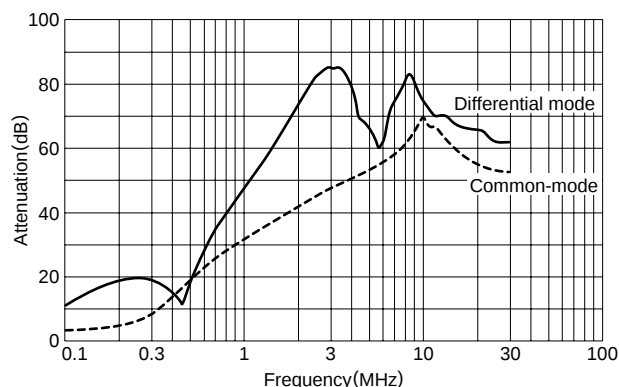
TYPICAL ELECTRICAL CHARACTERISTICS

ATTENUATION vs. FREQUENCY CHARACTERISTICS

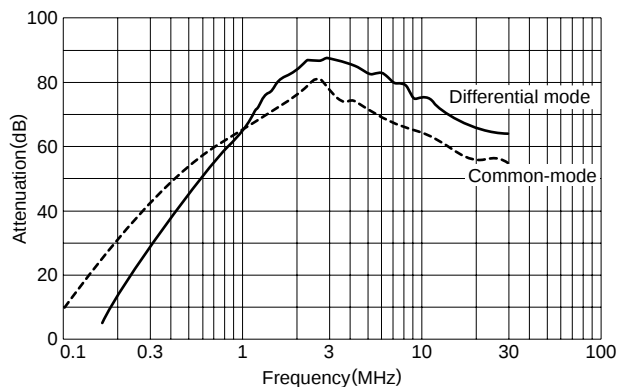
ZRC2206-11S/-11S-A



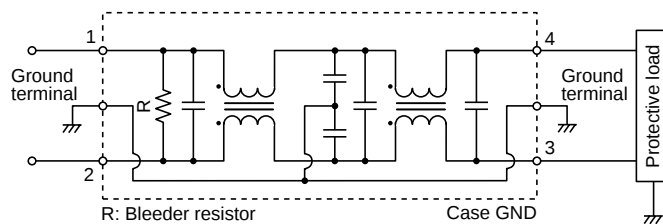
ZRC2220-11S/-11S-A



ZRC2210-11S/-11S-A



CIRCUIT DIAGRAM



EMC Components

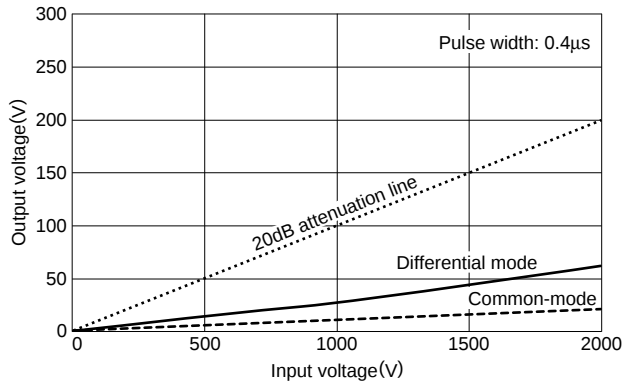
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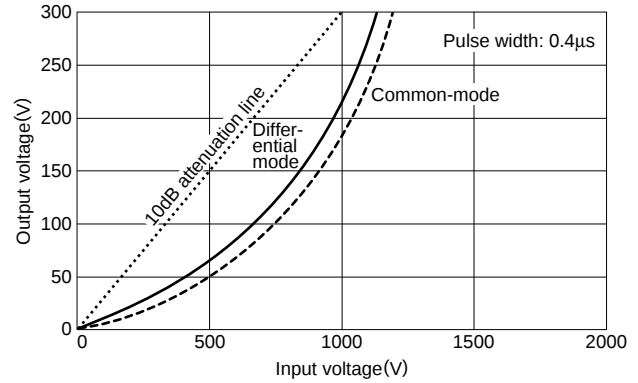
TYPICAL ELECTRICAL CHARACTERISTICS

PULSE ATTENUATION CHARACTERISTICS

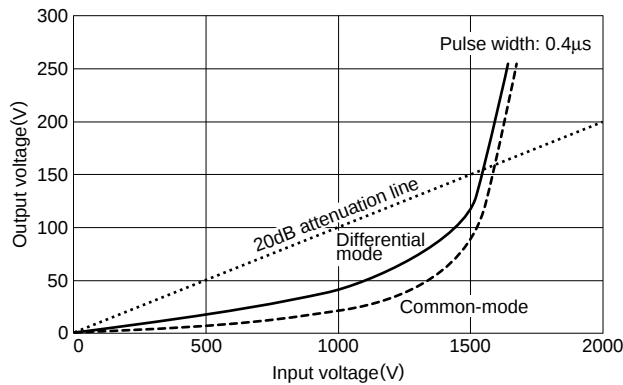
ZRC2206-11S/-11S-A



ZRC2220-11S/-11S-A



ZRC2210-11S/-11S-A



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