

EMC Filters for AC Power Line

For Single-phase, Mid-size Box Cased ZRCS-00 Series

Conformity to RoHS Directive

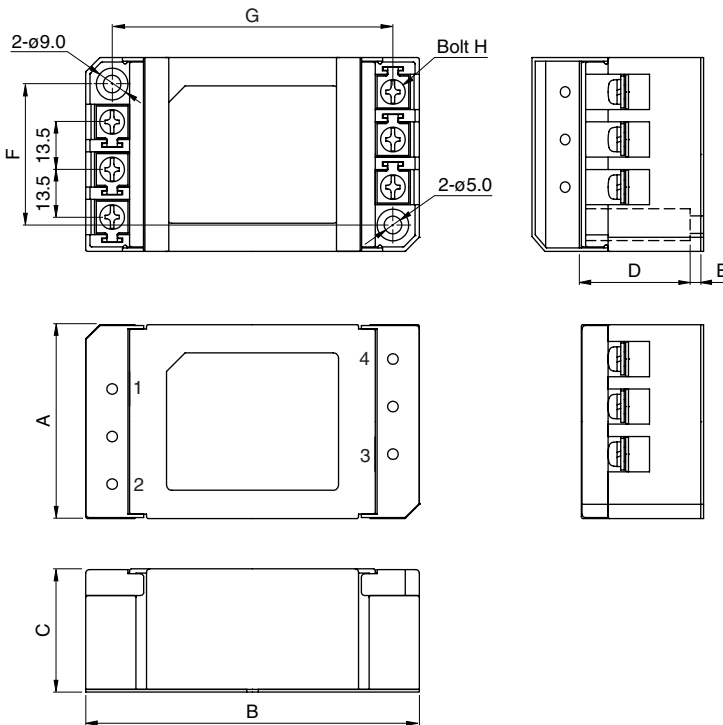
FEATURES

- Excellent noise attenuation in the low range making it perfect EMC prevention equipment for inverters.
- Screw terminal has a spring which moves the washer up and has a safe design to prevent the screw from falling.
- It is a product conforming to RoHS directive.

APPLICATIONS

- Power line noise prevention
- Machine tools and NC control devices
- Medical equipment such as MRIs
- Other industrial equipment

SHAPES AND DIMENSIONS



Part No.	Dimensions in mm							
	A	B	C	D	E	F	G	H
ZRCS2003-00	55	80	35	29.8	3	40	65	M4
ZRCS2006-00	55	100	40	34.8	3	40	85	M4
ZRCS2010-00	55	100	40	34.8	3	40	8015	M4
ZRCS2020-00	55	135	40	34.8	3	40	120	M4
ZRCS2030-00	55	135	40	34.8	3	40	120	M4

- Case:plastic, block terminal: phillips head screw terminals, base: metal

- Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

- All specifications are subject to change without notice.

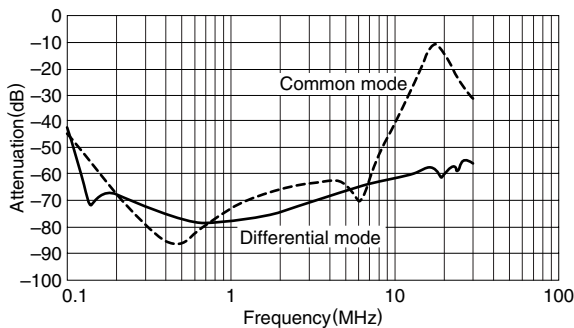
ELECTRICAL CHARACTERISTICS

Part No.	ZRCS2003-00	ZRCS2006-00	ZRCS2010-00	ZRCS2020-00	ZRCS2030-00
Rated voltage Eac(V)	250	250	250	250	250
Rated current(A)	3	6	10	20	30
Test voltage Eac (V) [Between terminal and ground terminal]	2500	2500	2500	2500	2500
Insulation resistance (M Ω) [DC.500V,1min / between terminal and ground terminal]	100min.	100min.	100min.	100min.	100min.
Leakage current (mA)[250V • 60Hz]	1.0max.	1.0max.	1.0max.	1.0max.	1.0max.
DC resistance (m Ω)	380max.	135max.	70max.	24max.	12max.
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 0.2 to 30	Differential mode at 40dB 0.2 to 30	Differential mode at 40dB 0.3 to 30	Differential mode at 40dB 0.4 to 30	Differential mode at 40dB 0.6 to 30
	Common mode at 30dB 0.1 to 8	Common mode at 30dB 0.1 to 10	Common mode at 30dB 0.1 to 10	Common mode at 30dB 0.2 to 20	Common mode at 30dB 0.4 to 20
Weight (g)	195	300	320	430	435

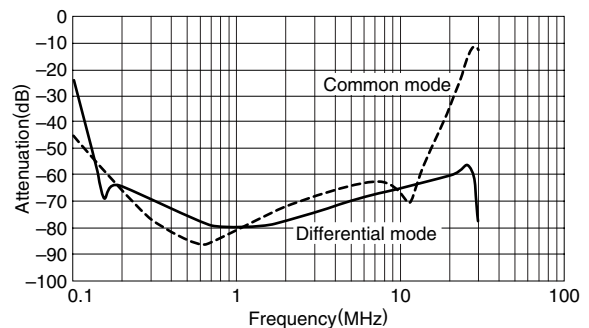
TYPICAL ELECTRICAL CHARACTERISTICS

ATTENUATION vs. FREQUENCY CHARACTERISTICS

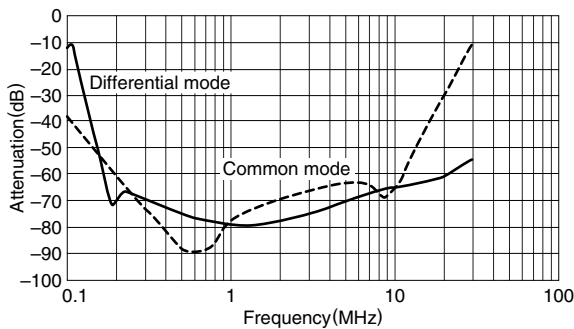
ZRCS2003-00



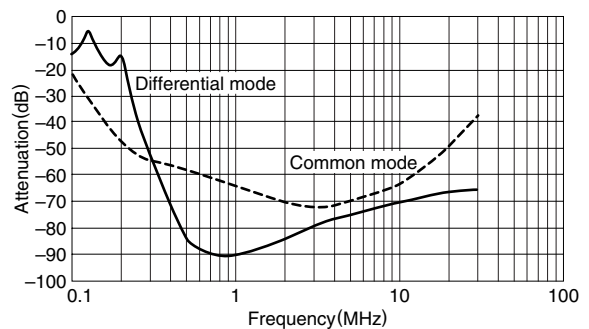
ZRCS2006-00



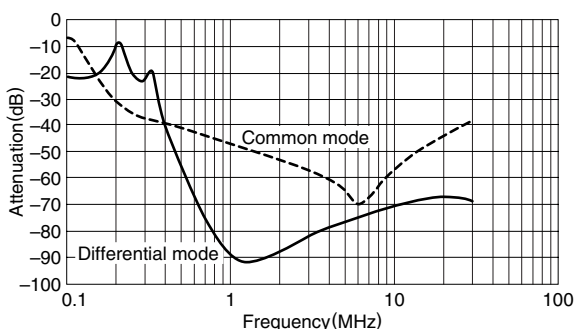
ZRCS2010-00



ZRCS2020-00



ZRCS2030-00



CIRCUIT DIAGRAM

