

EMC Filters for AC Power Line

For Single-phase, Mid-size Box Cased ZAC-00U Series

Conformity to RoHS Directive

FEATURES

- The ZAC-00U series is a highly compact, large current EMC filter.
- They exhibit outstanding attenuation characteristics with respect to both differential mode and common mode noise components.
- Leakage current is maintained at less than 1mA.
- These filters are highly reliable and provide stable attenuation performance even in harsh environments, where the filters may be subjected to humidity, vibration, and shock.
- It is a product conforming to RoHS directive.

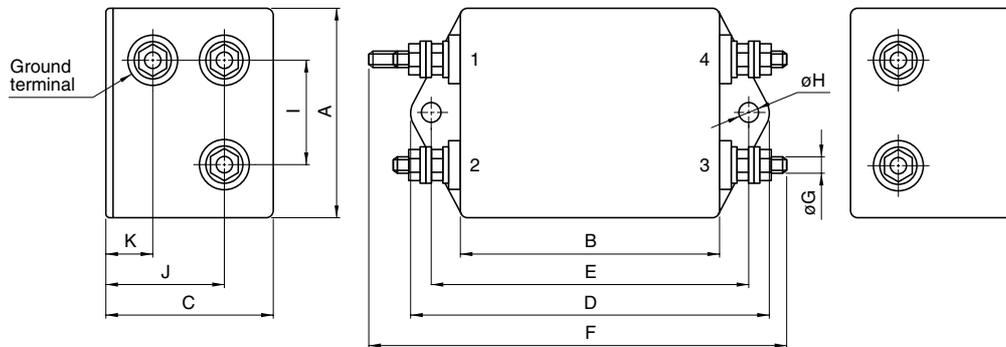
SAFETY STANDARDS

Part No.	Standard and standard No.		
	U.S.A.	Canada	Europe
	UL	CSA	NEMKO
	UL1283	CSA C22.2 No.8	EN60939
ZAC2205-00U	E62388	LR76849C	P08209027
ZAC2210-00U	E62388	LR76849C	P08209027
ZAC2215-00U	E62388	LR76849C	P08209027
ZAC2220-00U	E62388	LR76849C	P08209027

APPLICATIONS

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

SHAPES AND DIMENSIONS



Dimensions in mm

Part No.	A	B	C	D	E	F	øG	øH	I	J	K
ZAC2205-00U, 2210-00U, 2215-00U, 2220-00U	50.8	63.5	38	85	74.7	95	M4	4.8	25.4	26.5	9.3

- Case: metal, terminal: stud

ELECTRICAL CHARACTERISTICS

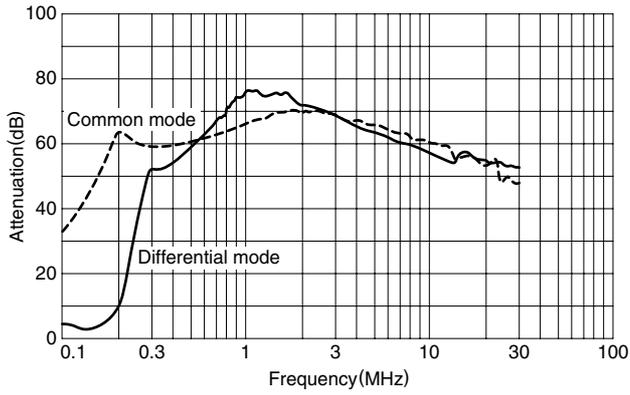
Part No.	ZAC2205-00U	ZAC2210-00U	ZAC2215-00U	ZAC2220-00U
Rated voltage Eac(V)	250	250	250	250
Rated current(A)	5	10	15	20
Test voltage Eac(V)[Between terminal and case]	1500	1500	1500	1500
Insulation resistance(MΩ)[DC, 500V, 1min/between terminal and case]	100min.	100min.	100min.	100min.
Leakage current(mA)[250V • 60Hz]	1max.	1max.	1max.	1max.
DC resistance(mΩ)	300max.	40max.	40max.	10max.
Operating temperature range(°C)[Including self-temperature rise]	-10 to +85	-10 to +85	-10 to +85	-10 to +85
With derating over(°C)	55	55	55	55
Temperature rise(°C)	30max.	30max.	30max.	30max.
Attenuation frequency range (MHz)[+5 to +35°C]	Differential mode at 40dB Common mode at 40dB	0.5 to 30 0.5 to 30	0.7 to 30 1.5 to 30	1.5 to 30 5 to 30
Weight(g)	250	255	275	285



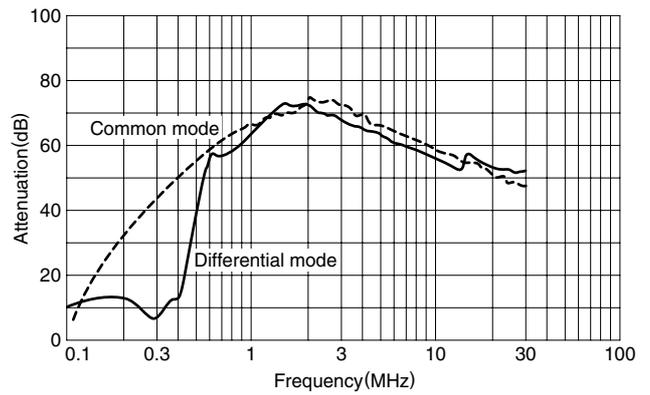
- Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

- All specifications are subject to change without notice.

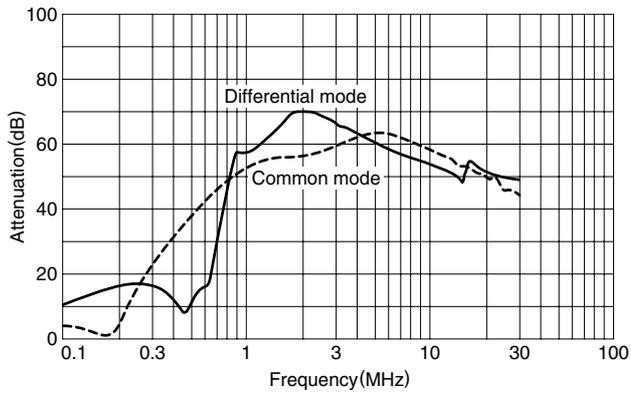
TYPICAL ELECTRICAL CHARACTERISTICS
ATTENUATION vs. FREQUENCY CHARACTERISTICS
ZAC2205-00U



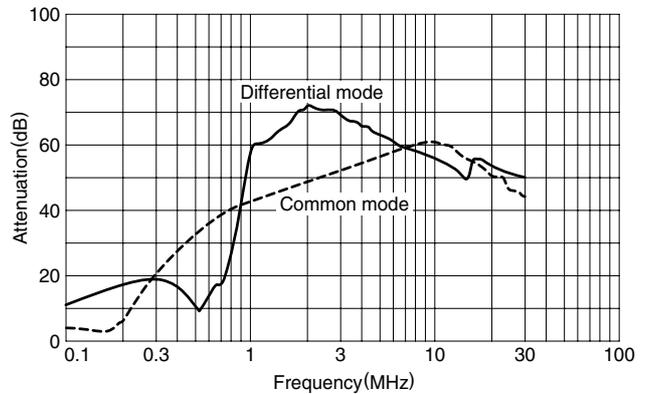
ZAC2210-00U



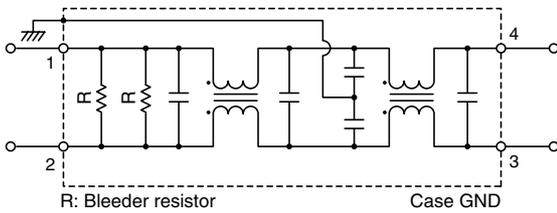
ZAC2215-00U



ZAC2220-00U



CIRCUIT DIAGRAM



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