

EMC Components

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

ZAG-11S Series

FEATURES

- The ZAG-11S series are EMC filters designed to prevent malfunctions in microcomputers. They employ advanced amorphous magnetic materials in the common-mode choke coil to achieve superior performance characteristics.
- They provide substantial attenuation of high-voltage pulses in power supply lines, exhibiting more than 20dB attenuation for a 2kV, 1μs pulse.
- Leakage current is maintained at less than 0.75mA.
- 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.
- Efficient manufacturing makes these filters highly cost-effective.

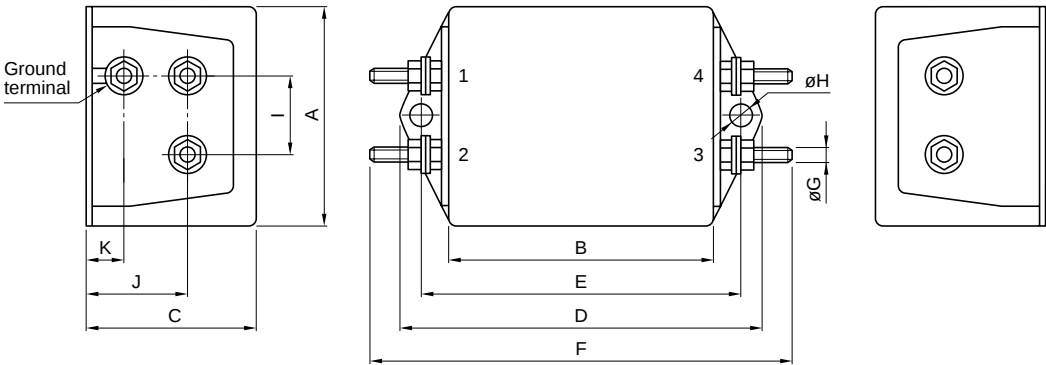
SAFETY STANDARDS

Part No.	UL	CSA	TÜV
ZAG2206-11S	E62388	LR76849C	R30107
ZAG2210-11S	E62388	LR76849C	R30107
ZAG2220-11S	E62388	LR76849C	R30107
ZAG2230-11S	E62388	LR76849C	R30107

APPLICATIONS

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

SHAPES AND DIMENSIONS



Dimensions in mm

Part No.	A	B	C	D	E	F	ØG	ØH	I	J	K
ZAG2206-11S	50.8	62	40	85	75	95	M4	4.8	18	25	7.5
ZAG2210-11S	50.8	62	40	85	75	95	M4	4.8	18	25	7.5
ZAG2220-11S	50.8	62	40	85	75	95	M4	4.8	18	25	7.5
ZAG2230-11S	56	90	50	111	103.2	138	M5	4.8	21	31.7	8.2

• Case: metal, terminal: stud

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ELECTRICAL CHARACTERISTICS

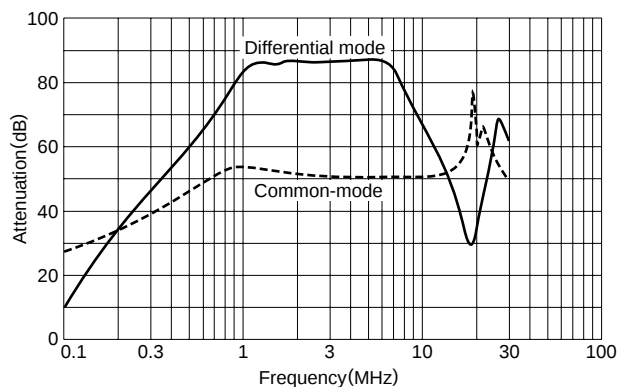
Part No.	ZAG2206-11S	ZAG2210-11S	ZAG2220-11S	ZAG2230-11S
Rated voltage Eac(V)	250	250	250	250
Rated current(A)	6	10	20	30
Test voltage Eac(V)[Between terminal and case]	1500	1500	1500	1500
Insulation resistance(M Ω)[DC. 500V, 1min/between terminal and case]	100min.	100min.	100min.	100min.
Leakage current(mA)[250V • 60Hz]	0.75max.	0.75max.	0.75max.	0.75max.
DC resistance(m Ω)	100max.	50max.	20max.	9max.
Operating temperature range(°C)[Including self-temperature rise]	-25 to +85	-25 to +85	-25 to +85	-25 to +85
Temperature rise(°C)	30max.	30max.	30max.	30max.
Attenuation frequency range (MHz)[+5 to +35°C]	Differential mode at 40dB Common-mode at 30dB	0.5 to 10 0.5 to 20	0.5 to 10 1 to 10	1 to 10 2 to 30
Pulse attenuation characteristics	Differential mode at 20dB	1	1	1
Input pulse voltage(kV)*	Common-mode at 20dB	2	1.2	0.8
Weight(g)	270	300	320	480

* Input pulse width : 1 μ s

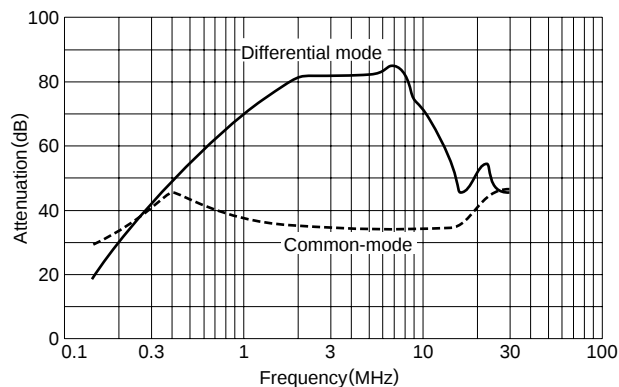
TYPICAL ELECTRICAL CHARACTERISTICS

ATTENUATION vs. FREQUENCY CHARACTERISTICS

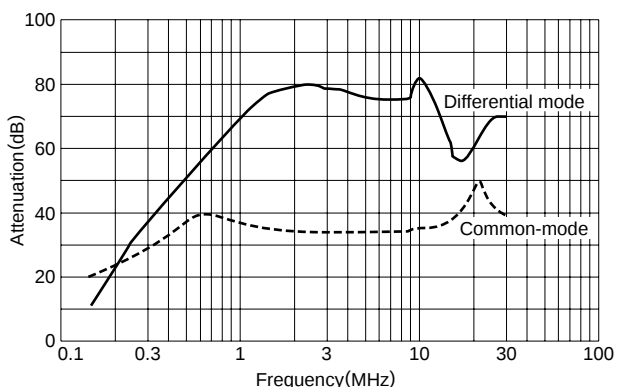
ZAG2206-11S



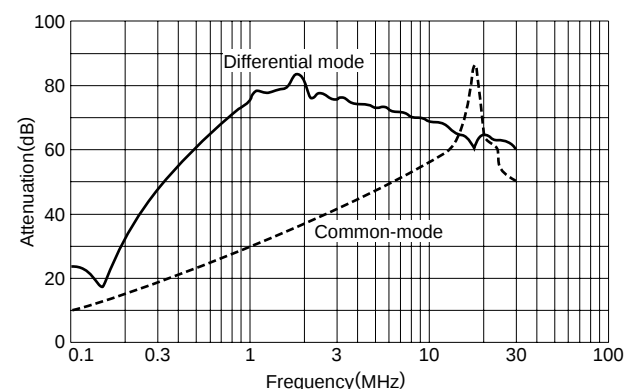
ZAG2210-11S



ZAG2220-11S



ZAG2230-11S



EMC Components

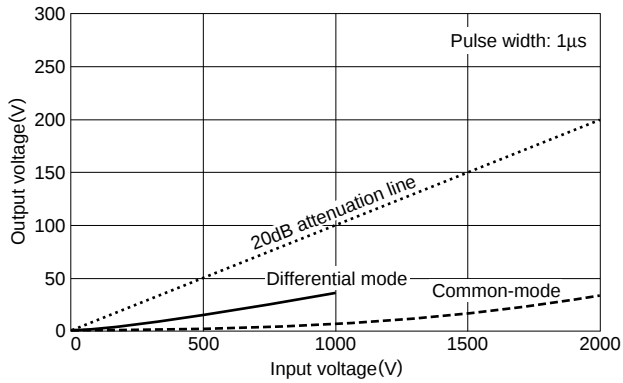
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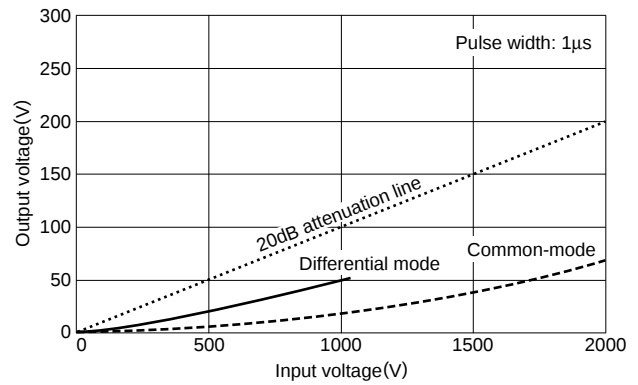
TYPICAL ELECTRICAL CHARACTERISTICS

PULSE ATTENUATION CHARACTERISTICS

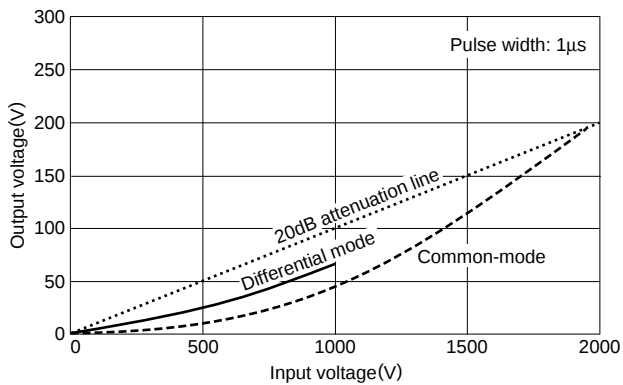
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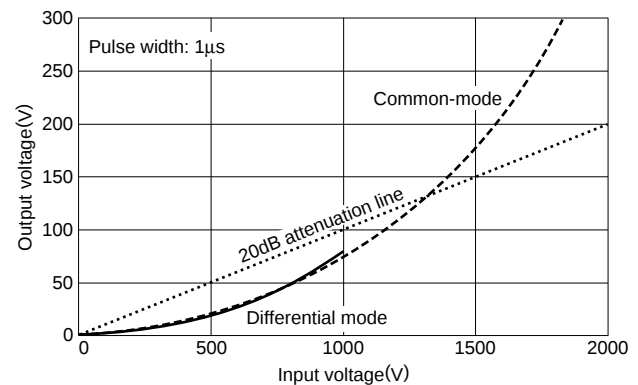
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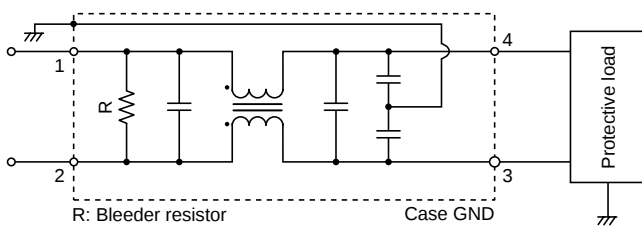
ZAG2220-11S



ZAG2230-11S



CIRCUIT DIAGRAM



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微波光电部专业代理经销高频、微波、光纤、光电元器件、组件、部件、模块、整机；电磁兼容元器件、材料、设备；微波 CAD、EDA 软件、开发测试仿真工具；微波、光纤仪器仪表。欢迎国外高科技微波、光纤厂商将优秀产品介绍到中国、共同开拓市场。长期大量现货专业批发高频、微波、卫星、光纤、电视、CATV 器件：晶振、VCO、连接器、PIN 开关、变容二极管、开关二极管、低噪晶体管、功率电阻及电容、放大器、功率管、MMIC、混频器、耦合器、功分器、振荡器、合成器、衰减器、滤波器、隔离器、环行器、移相器、调制解调器；光电子器件和组件：红外发射管、红外接收管、光电开关、光敏管、发光二极管和发光二极管组件、半导体激光二极管和激光器组件、光电探测器和光接收组件、光发射接收模块、光纤激光器和光放大器、光调制器、光开关、DWDM 用光发射和接收器件、用户接入系统光收发器件与模块、光纤连接器、光纤跳线/尾纤、光衰减器、光纤适配器、光隔离器、光耦合器、光环行器、光复用器/转换器；无线收发芯片和模组、蓝牙芯片和模组。

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