

EMC Components

EMC Filters for AC Power Line

Inlet-socket Type

ZUB.H-FS Series

FEATURES

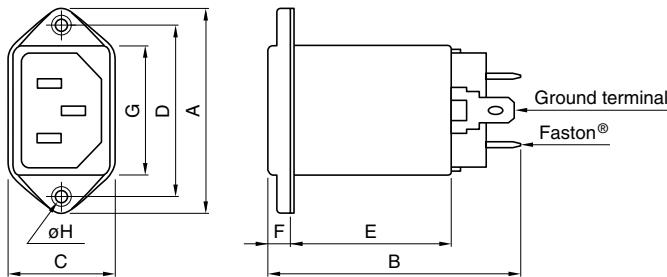
- This inlet-socket type EMC filter prevent microcomputer operational errors by use of a common mode choke coil featuring an amorphous core with exceptional magnetic characteristics.
- These plug-in type EMC filters provide highly effective attenuation of high-voltage pulses power lines.
- These small, high-performance IEC-type inlet sockets with integral EMC filters provide outstanding common-mode noise attenuation characteristics over a wide band of frequencies.
- Current leakage is maintained at less than 0.4mA.

SAFETY STANDARDS

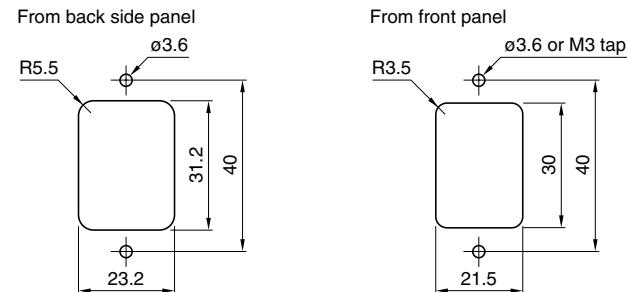
Part No.	Standard and standard No.		
	U.S.A	Canada	Europe*
	UL	CSA	TÜV
ZUB2203H-FS	UL1283	CSA C22.2 No.8	VDE565 Teil3
ZUB2206H-FS	E62388	LR76849C	R40030
	E62388	LR76849C	R40030

* The authorization standard is different depending on time when products were produced about European standards.

SHAPES AND DIMENSIONS



Typical dimensions for installation



- Tighten the panel mounting M3 dia. bolt with the torque under $5.88 \times 10^{-1} \text{ N}\cdot\text{m}$.

Dimensions in mm

Part No.	A	B	C	D	E	F	G	øH
ZUB2203H-FS, 2206H-FS	48	60.3	25	40	38	5.2	30.5	3.3

- Case: metal, input terminal: inlet-socket (EN60320), output terminal: Faston® #250(t:0.8mm)

ELECTRICAL CHARACTERISTICS

Part No.	ZUB2203H-FS	ZUB2206H-FS
Rated voltage Eac(V)	250	250
Rated current(A)	3	6
Test voltage Eac(V)[Between terminal and ground terminal]	2000	2000
Insulation resistance(MΩ)	100min.	100min.
[DC. 500V, 1min/between terminal and ground terminal]		
Leakage current(mA)[250V • 60Hz]	0.4max.	0.4max.
DC resistance(mΩ)	150max.	100max.
Operating temperature range(°C)[Including self-temperature rise]	-25 to +85	-25 to +85
With derating over(°C)	55	55
Temperature rise(°C)	30max.	30max.
Attenuation frequency range (MHz)[+5 to +35°C]	Differential mode at 30dB Common mode at 30dB	2 to 300 1 to 300
Pulse attenuation characteristics	Differential mode at 20dB	1.3
Input pulse voltage(kV)*	Common mode at 20dB	0.6
Weight(g)	48	48

* Input pulse width: 0.4μs

• Faston® is a registered trademark of Tyco Electronics AMP Corp. Incorporated.

• All specifications are subject to change without notice.

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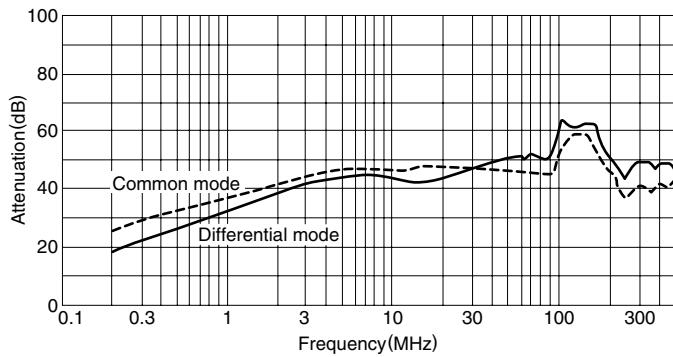
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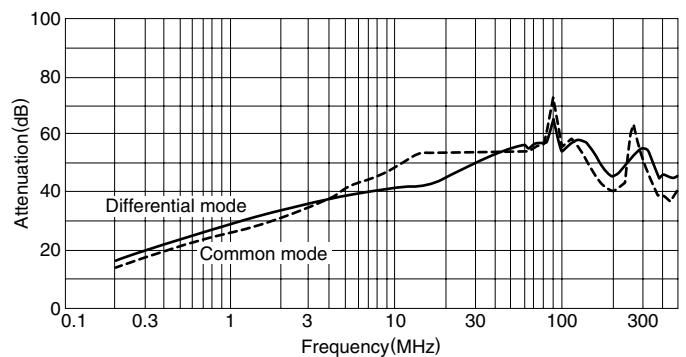
TYPICAL ELECTRICAL CHARACTERISTICS

ATTENUATION vs. FREQUENCY CHARACTERISTICS

ZUB2203H-FS

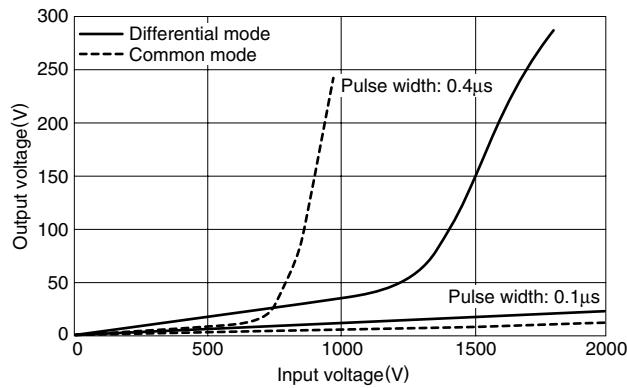


ZUB2206H-FS

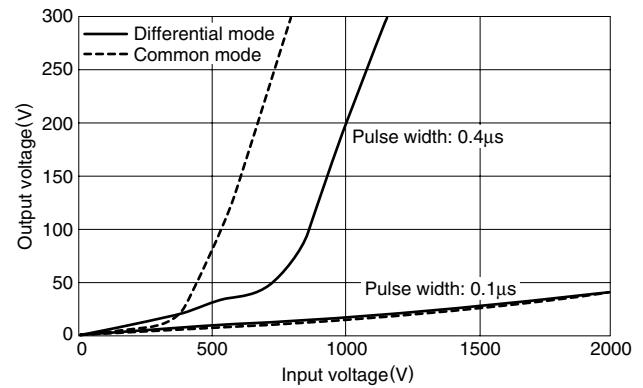


PULSE ATTENUATION CHARACTERISTICS

ZUB2203H-FS



ZUB2206H-FS



CIRCUIT DIAGRAM

