

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.

APPLICATIONS

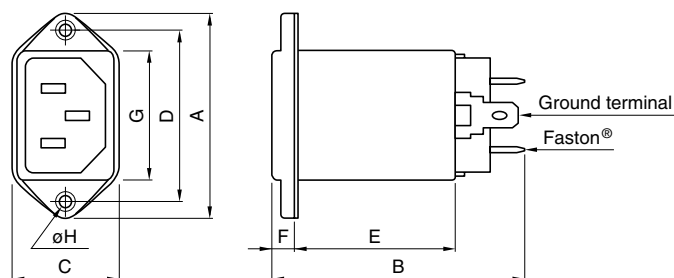
Personal computers, computer terminals, office automation equipment, digital applied devices (ECRs, electronic calculators, electronic scales, etc.), measurement devices, medical equipment, etc. Particularly appropriate for various types of electronic devices that require miniaturization.

SAFETY STANDARDS

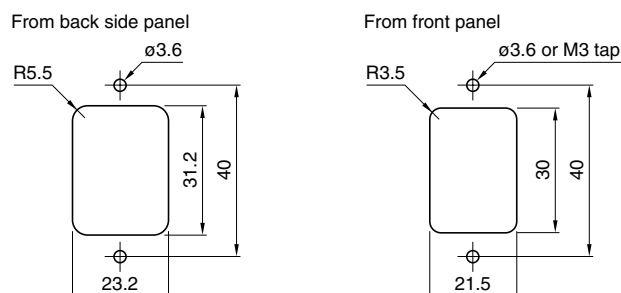
Part No.	Standard and standard No.			
	U.S.A	Canada	Europe*	
	UL	CSA	Produced before July, 2003	Produced after July, 2003
	UL1283	CSA C22.2 No.8	TÜV	NEMKO
ZUB2203H-FS	E62388	LR76849C	VDE565 Teil3	EN133200
ZUB2206H-FS	E62388	LR76849C	R40030	P03200359

* 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 $5.88 \times 10^{-1} \text{ N}\cdot\text{m}$.

Part No.	Dimensions in mm							
	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	Differential mode at 30dB		3 to 300	
(MHz)[+5 to +35°C]	Common mode at 30dB		1 to 300	
Pulse attenuation characteristics	Differential mode at 20dB		0.6	
Input pulse voltage(kV)*	Common mode at 20dB		0.3	
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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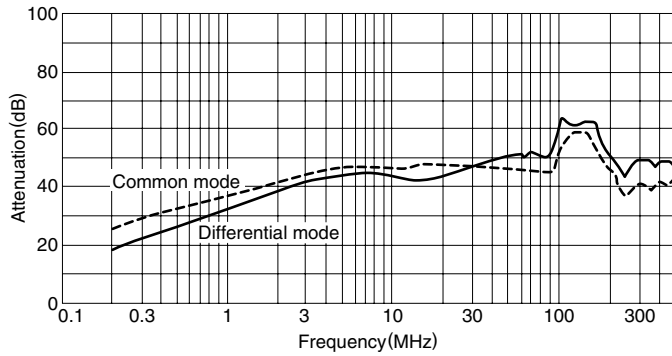
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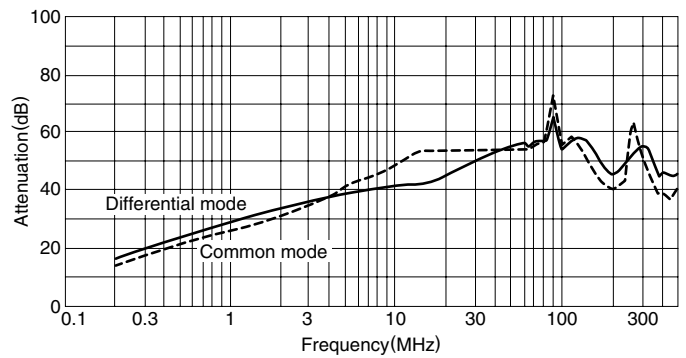
TYPICAL ELECTRICAL CHARACTERISTICS

ATTENUATION vs. FREQUENCY CHARACTERISTICS

ZUB2203H-FS

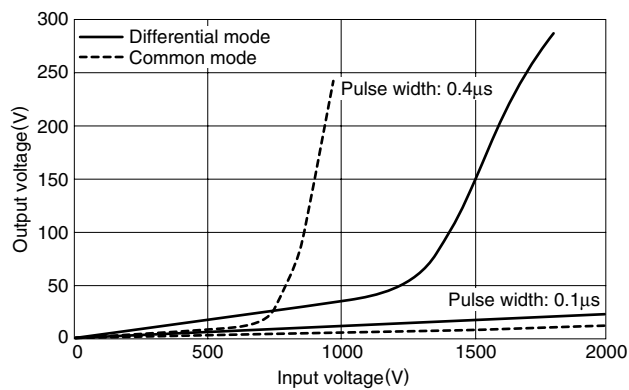


ZUB2206H-FS

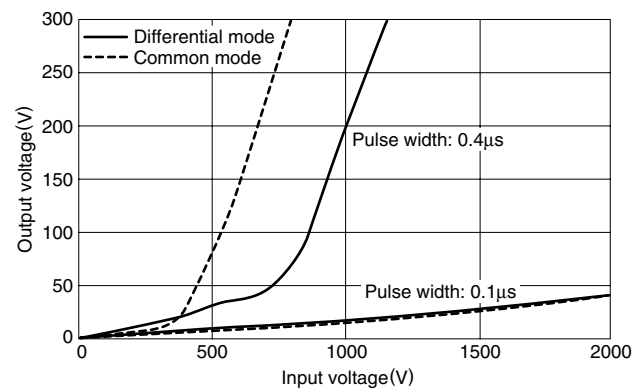


PULSE ATTENUATION CHARACTERISTICS

ZUB2203H-FS



ZUB2206H-FS



CIRCUIT DIAGRAM

