RSKN SERIES

Wide band, high attenuation from low frequency to high frequency


EMC filter

■ FEATURES

- Two stage filtering and the nano crystal core with high attenuation performance is employed.
- Wide band, high attenuation from low frequency to high frequency.
- Terminal block for simple installation.
- Terminal block cover is included for safety protection.
- Compliant with RoHS directives.
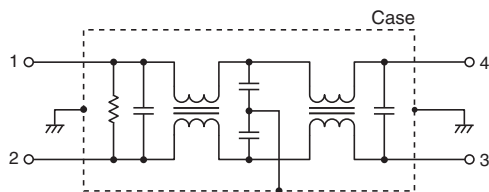
■ SAFETY STANDARDS

UL1283	UL File No. E62388
CSA C22.2 No.8	CSA File No LR76849
EN60939（SEMKO）	Licence Ref.No 1316172

RSKN

■ PRODUCT IDENTIFICATION

RSKN –2 ***

- Rated current
- Number indicating the rated voltage
- Series name
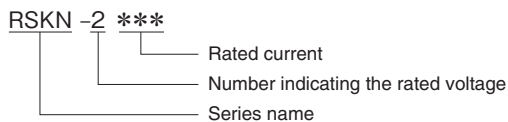
■ CIRCUIT DIAGRAMS

● Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific brominebased 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.	Rated voltage (AC/DC)	Rated current (AC/DC)	Withstand voltage	Isolation resistance	Leakage current	Operating temperature range	With derating over	DC resistance (Ω)	Attenuation frequency range(MHz)		Weight (g)
									Common mode	Differential mode	
									at 30dB	at 25dB	
RSKN-2006	250V	6A[*1]	AC2500V 60s [Between line to ground]	100MΩ min. [DC.500V/ 1min]	1.0mA max. [250V/60Hz]	-25 ～ +85℃	50℃	0.3 max.	0.2 ～ 30	0.4 ～ 30	220
RSKN-2010		10A[*1]						0.1 max.	0.2 ～ 30	0.5 ～ 30	310
RSKN-2020		20A[*2]					45℃	0.02 max.	0.3 ～ 30	0.4 ～ 30	530
RSKN-2030		30A[*2]						0.01 max.	0.4 ～ 30	0.4 ～ 30	660

[*1] : Value at Ta≦50℃ . Refer to the derating curve shown below at Ta > 50℃

[*2] : Value at Ta≦45℃ . Refer to the derating curve shown below at Ta > 45℃

■ DERATING

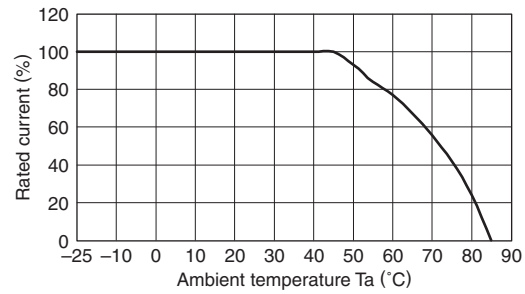Derating (A)
RSKN-2006/-2010
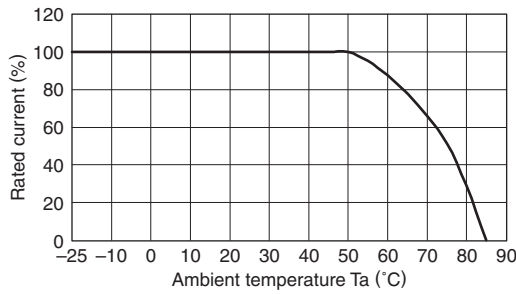
Derating (B)
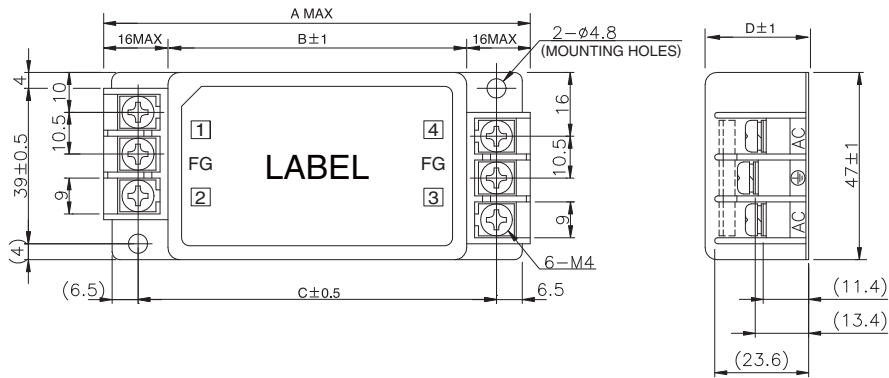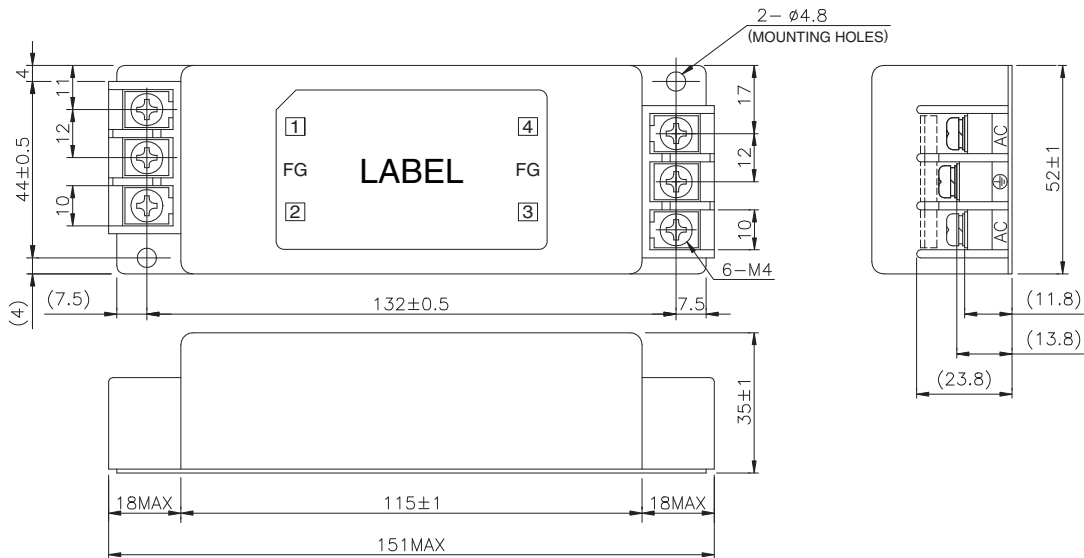RSKN-2020/-2030

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■ SHAPES AND DIMENSIONS

RSKN-2006/2010

Part No.	A	B	C	D
RSKN-2006	107	75	90	26
RSKN-2010	117	85	100	30

RSKN-2020

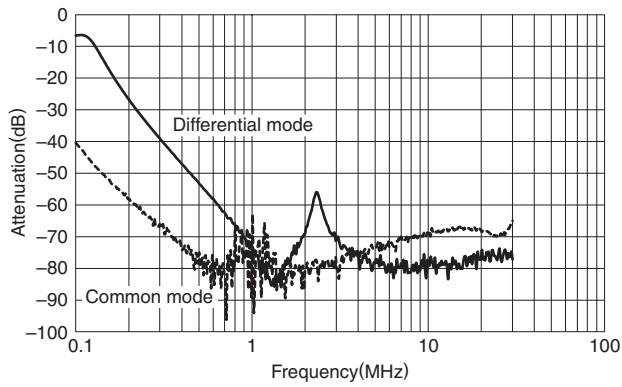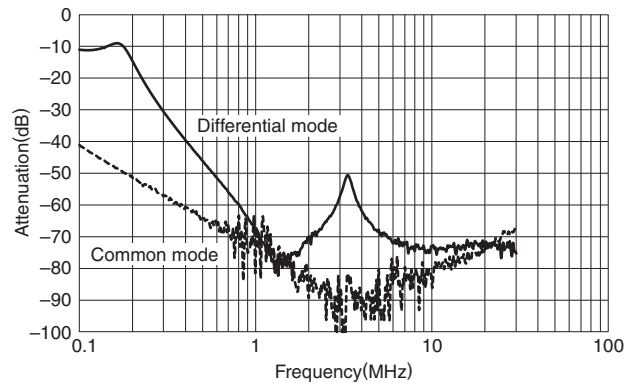### RSKN-2030
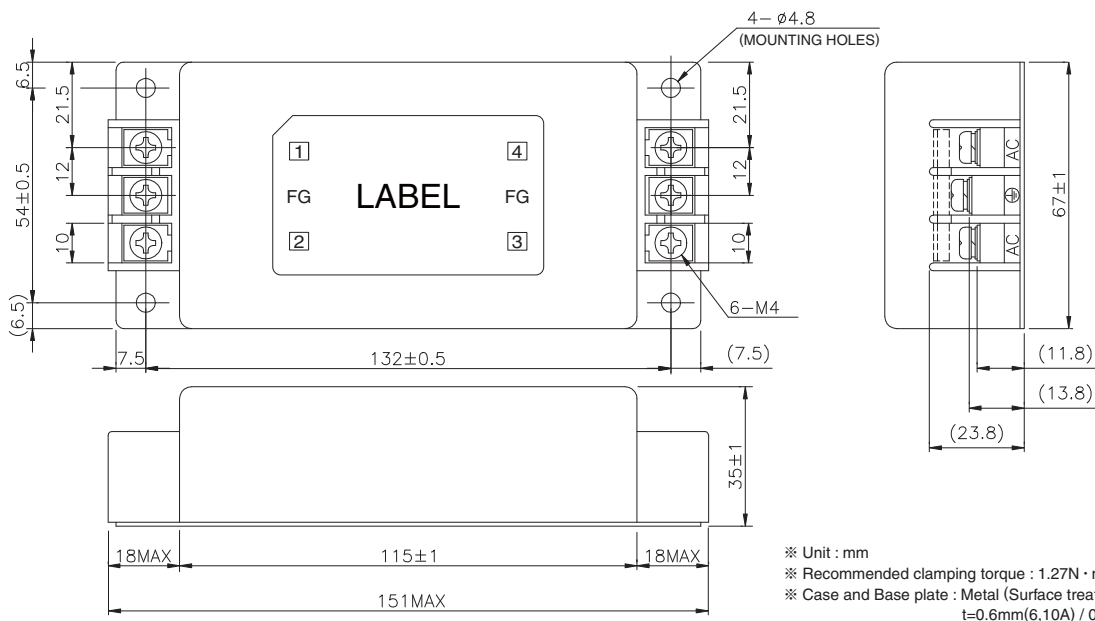
※ Unit : mm
※ Recommended clamping torque : 1.27N・m
※ Case and Base plate : Metal (Surface treatment : Nickel plating)
　　t=0.6mm(6,10A) / 0.8mm(20,30A)

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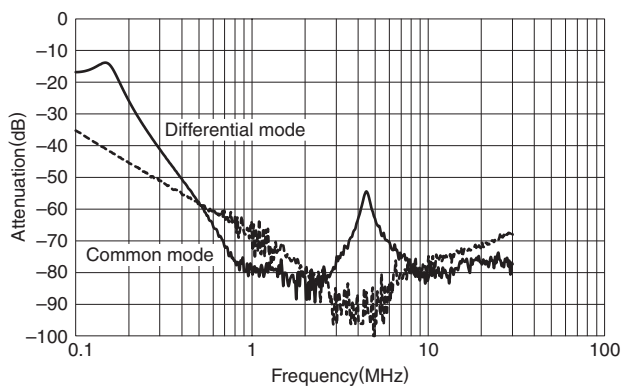
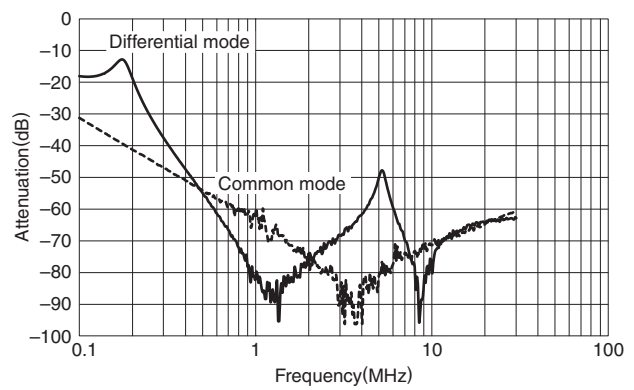## ■ ATTENUATION vs. FREQUENCY CHARACTERISTICS
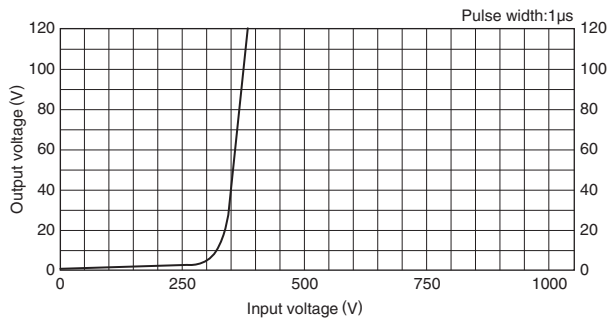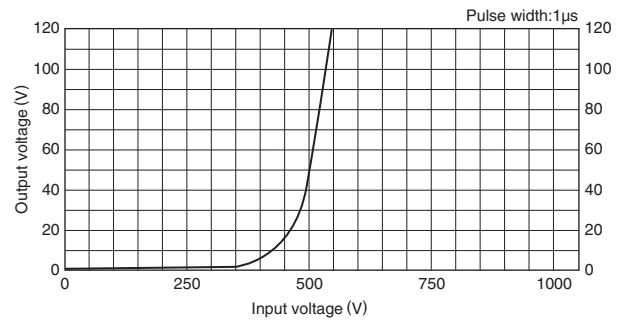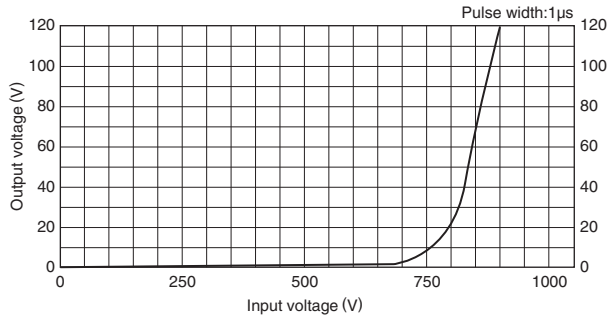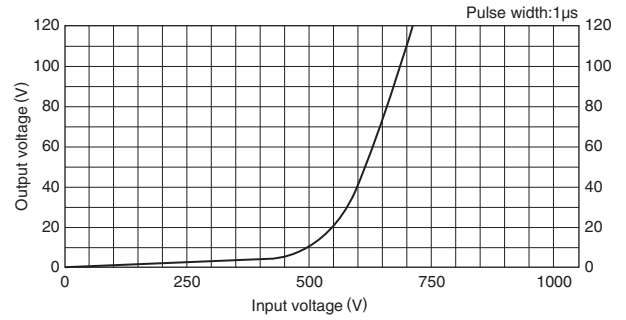
RSKN-2006

RSKN-2010

RSKN-2020

RSKN-2030

EMC
filter

RSKN

■ PULSE ATTENUATION CHARACTERISTICS

RSKN-2006

Pulse width:1μs

RSKN-2010

Pulse width:1μs

RSKN-2020

Pulse width:1μs

RSKN-2030

Pulse width:1μs

EMC filter

RSKN

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