

# RDEN SERIES

DC48V Line Filter



EMC  
filter

## FEATURES

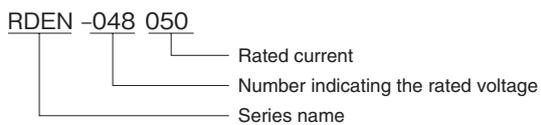
- Major applications : Information and Telecommunication equipment.
- High attenuation for noise from low frequency to high frequency.
- Large stud type terminals for easy connection.
- Cost effective design.
- RDEN series noise filters are for DC48V input only. (Use for AC power line is not available.)
- Compliant with RoHS directives.

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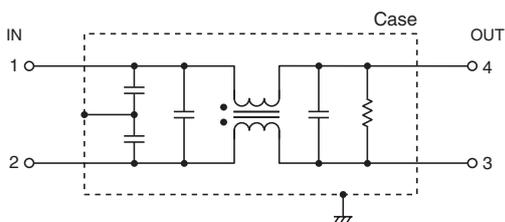
## SAFETY STANDARDS

UL60950-1	UL File No. E467819
CSA C22.2 No.60950-1 (cUL)	UL File No. E467819
EN60939 (SEMKO)	Licence Ref.No 1415643

## PRODUCT IDENTIFICATION



## CIRCUIT DIAGRAMS



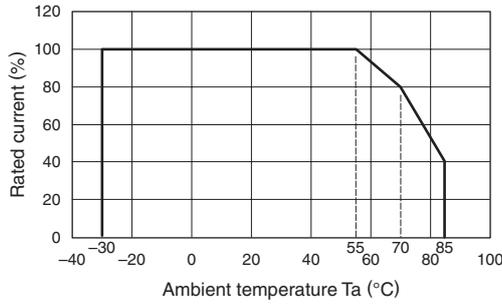
- Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific brominebased flame retardants, PBB and PBDE, have not been used, except for exempted applications.

**ELECTRICAL CHARACTERISTICS**

Part No.	Rated voltage (DC)	Rated current (DC)	Withstand voltage	Insulation resistance	Operating temperature range	With derating over	DC resistance (mΩ)	Attenuation frequency range (MHz)		Weight (g)
								Common mode	Differential mode	
								at 30dB	at 25dB	
RDEN-048050	48V (DC76V max)	50A	DC1500V 60s [Between line to ground]	500MΩ min. [DC.500V/1min]	-30 ~ +85°C	55°C	3 max.	0.2 ~ 10	0.7 ~ 30	310

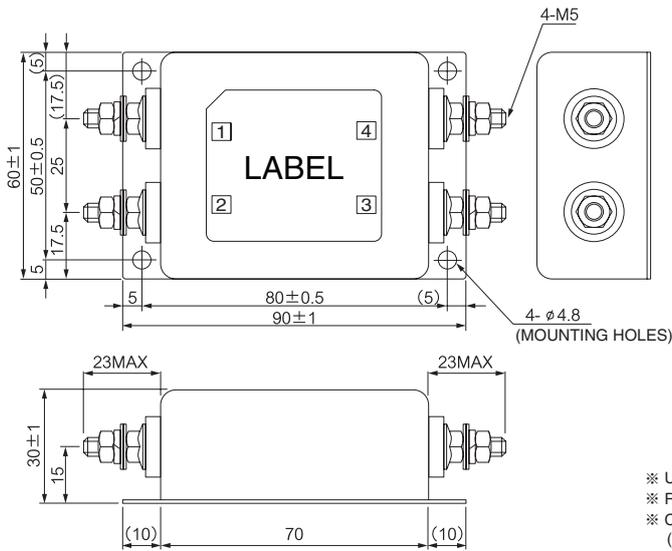
**DERATING**

EMC filter



**SHAPES AND DIMENSIONS**

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- ※ Unit : mm
- ※ Recommended clamping torque : 2.5N · m
- ※ Case and Base plate : Metal / t=0.8 (Surface treatment : Nickel plating)

**ATTENUATION vs. FREQUENCY CHARACTERISTICS**

RDEN-048050

