

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.)

RDEN

SAFETY STANDARDS

UL60950-1

UL File No. E467819

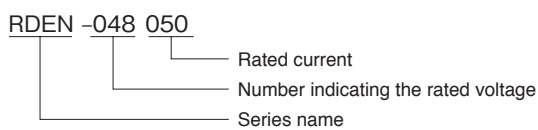
CSA C22.2 No. 60950-1 (cUL)

UL File No. E467819

EN60939-1/-2 (SEMKO)

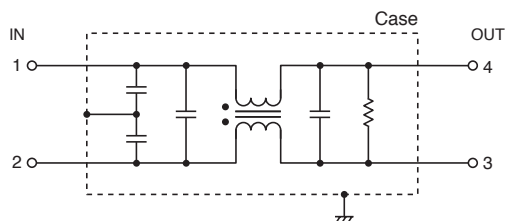
Certificate Ref. No. 1415643

PRODUCT IDENTIFICATION



CONFORMITY TO RoHS Directive

CIRCUIT DIAGRAM

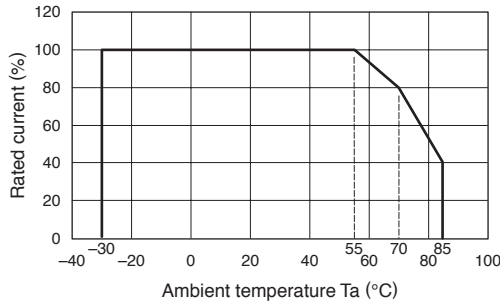


ELECTRICAL CHARACTERISTICS

| 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 |

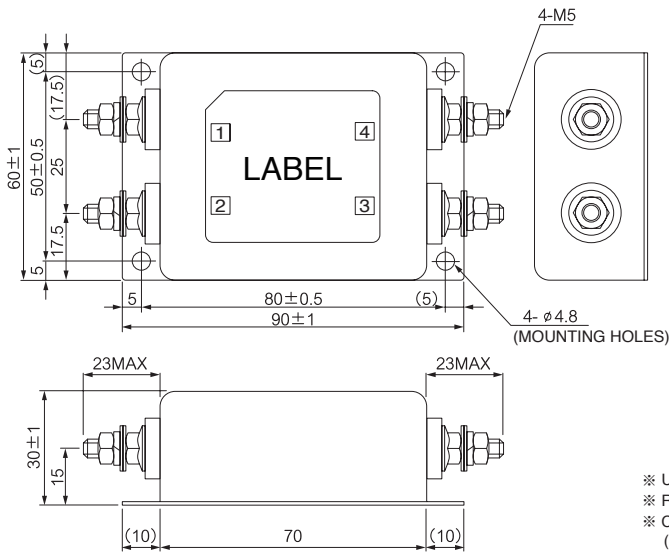
DERATING GRAPH

EMC filter



MECHANICAL

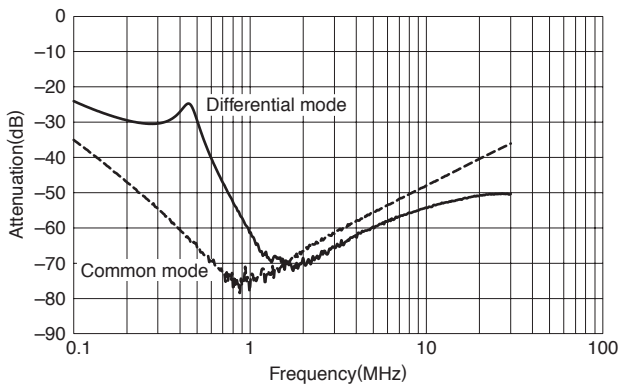
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- ※ Unit : mm
- ※ Recommended clamping torque : 2.5N · m
- ※ Case and Base plate : Metal / t=0.8 (Surface treatment : Nickel plating)

ATTENUATION vs. FREQUENCY CHARACTERISTICS

RDEN-048050



Mouser Electronics

Authorized Distributor

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[RDEN-048050](#)