



SMHV High-Reliability Solid Body Fuses

AEM, Inc. is the sole U.S. manufacturer of solid body current limiting fuses produced utilizing thick film technology with subsequent screening and qualification for spacecraft/satellite applications.

Features

- Solid body construction with gold fusing elements
- Consistent clearing times achieved at overload currents regardless of vacuum conditions
- Solid body construction without outgassing and not subjected to the de-rating factors of MIL-STD-975
- Solid body construction capable of withstanding greater vibration and shock exposure without damage
- Positive temperature coefficient of fuse element causing resistance to increase (prior to opening) thereby preventing absolute short to the power source
- Internal construction ensuring that arc, plasma, and vapor are contained within the fuse package during overload current conditions
- Groups A/B data supplied with each shipment and Group C inspection optional

Applications

- Satellite/Spacecraft
- Aerospace
- Avionics
- Military

Product Dimensions:

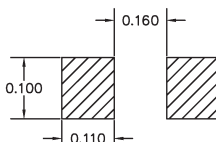
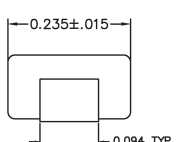
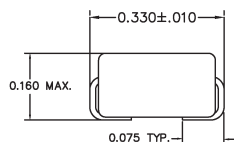


FIGURE 1

SUGGESTED
LAND PATTERN

Note: Dimentions are in inches

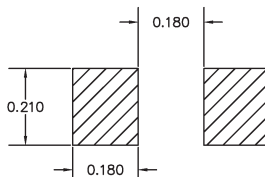
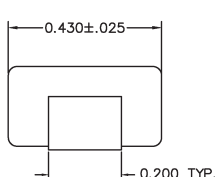
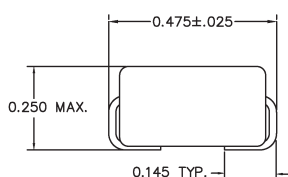


FIGURE 2

SUGGESTED
LAND PATTERN

SMHV High-Reliability Solid Body Fuses

Electrical Characteristics:

Part Number	Current Rating (Amps)	Voltage Rating (VDC)	Nominal DCR (Ohms)	Size (Figure)	Overload Interrupt Time (Seconds)				Interrupt Rating@ Rated Voltage
					250%	400%	600%	1000%	
SMHV-150-3.0	3.0	150	0.0400	1	0.005-3.00	0.0005-0.030	0.0001-0.006	0.0001-0.003	1000A
SMHV-150-7.5	7.5	150	0.0075	1	0.005-3.00	0.0005-0.015	0.0001-0.006	0.00005-0.002	1000A
SMHV-150-10.0	10.0	150	0.0080	2	0.010-5.00	0.002-0.025	0.0005-0.006	0.0001-0.003	1000A
SMHV-150-15.0	15.0	150	0.0060	2	0.010-5.00	0.002-0.025	0.0005-0.006	0.0001-0.003	1000A

Notes:

1/ DC Resistance is measured at current levels less than or equal to 10% of rated current.

2/ Groups A/B data supplied with each shipment and Group C inspection optional

Derating Curve

