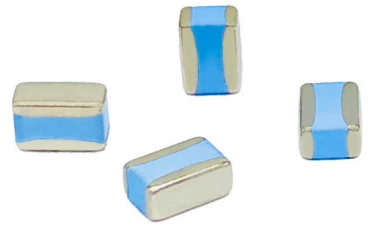




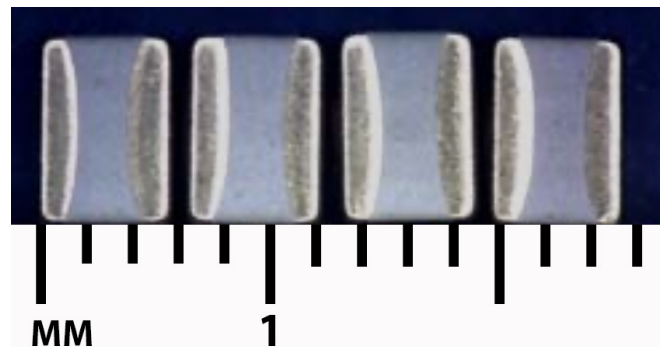
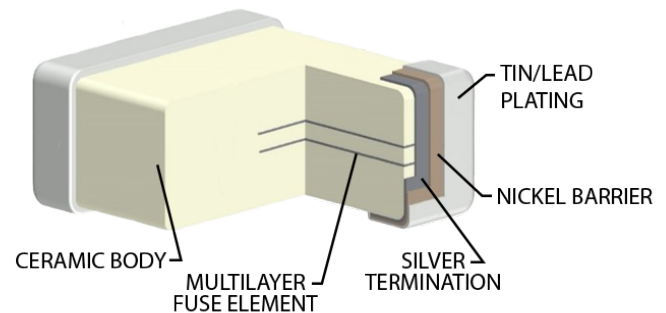
SolidMatrix® F1218 Series High Current Surface Mount



AEM, Inc. is the sole manufacturer of solid body current limiting fuses for spacecraft and satellite applications. AEM, Inc.'s Hi-Rel fuses have been selected by most major space programs and have been in orbit for decades with zero failures. The new F1218 series brings AEM's High Reliability Solid Body Fuse products to additional markets. These fuses are a compact size with high current ratings. The monolithic ceramic body provides excellent mechanical strength and thermal property. These fuses are all manufactured in an AS9100 facility in California with tight quality control processes for increased reliability.

Features:

- Monolithic ceramic body with silver fusing element structure
- Silver termination with nickel and tin/lead plating (optional gold or tin plating)
- Low DC resistance (low power dissipation)
- Symmetrical design with optional marking
- Operating temperature: -55°C to +125 °C



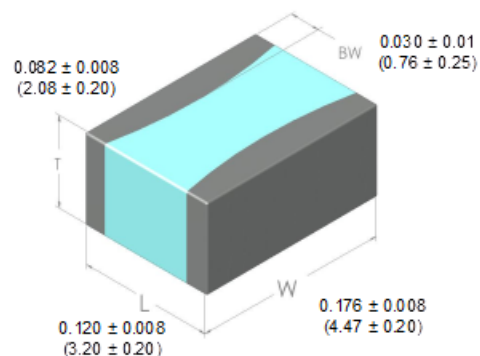


SolidMatrix® F1218 Series High Current Surface Mount

Aviation
Military

Aerospace
Medical

Shape and Dimensions:



Ordering Information:

Part Number	Current Rating (A)	Voltage Rating (VDC)	Nominal DCR (Ω) ^a
F1218HR100V048T	10.0	48	0.009
F1218HR150V048T	15.0	48	0.006
F1218HR200V048T	20.0	48	0.0035
F1218HR250V048T	25.0	48	0.002

a. measured at=10% of rated current and 25°C ambient

Electrical Characteristics:

% of current rating	Clear-time at 25 °C for 10A, 15A, and 20A	Clear-time at 25 °C for 25A
100%	4 hours min. (Fuse body temperature < 125 °C)	4 hours min. (Fuse body temperature < 125 °C)
300%	0.005-1.0 seconds	0.010-2.0 seconds
600%	0.0005-0.003 seconds	0.001-0.010 seconds
1000%	0.0001-0.001 seconds	0.00025-0.003 seconds
Interrupting rating	300A at rated voltage	300A at rated voltage