

■ **FEATURES**

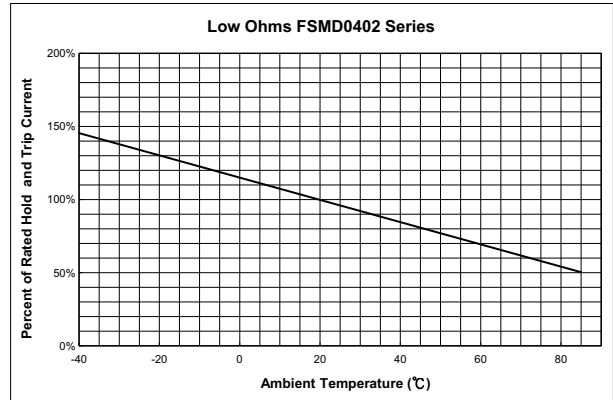
- Applications : All high-density boards
- Product Features : Faster time to trip and Lower resistnace than standard SMD devices
- Operation Current: 0.10A ~ 0.35A
- Maximum Voltage: 6Vdc
- Temperature Range: -40°C to 85°C

■ **AGENCY RECOGNITION**

Made for RFE by UL shop Fuzetec

- UL (E211981)
- C-UL (E211981)
- TÜV (R50090556)

■ **THERMAL DERATING CURVE**



■ **ELECTRICAL CHARACTERISTICS (23°C)**

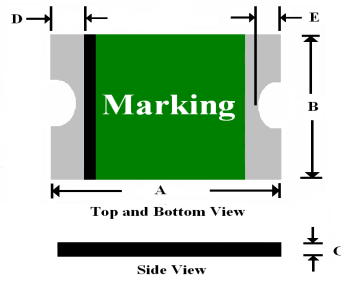
Part Number	Hold Current	Trip Current	Rated Voltage	Maximum Current	Typical Power	Max. Time to Trip		Resistance	
						Current	Time	R min	R1 max
	I <sub>H</sub> , A	I <sub>T</sub> , A	V <sub>MAX</sub> , Vdc	I <sub>MAX</sub> , A	P <sub>d</sub> , W			Ohms	Ohms
FSMD010-0402RZ	0.10	0.30	6	100	0.5	0.5	1.0	0.15	2.00
FSMD020-0402RZ	0.20	0.50	6	100	0.5	1.0	1.0	0.10	1.25
FSMD035-0402RZ	0.35	0.70	6	100	0.5	8.0	0.1	0.05	0.70
FSMD050-0402RZ	0.50	1.00	6	100	0.5	8.0	0.1	0.04	0.40

I<sub>H</sub>=Hold current-maximum current at which the device will not trip at 23°C still air.  
 I<sub>T</sub>=Trip current-maximum current at which the device will always trip at 23°C still air.  
 V<sub>MAX</sub>=Maximum voltage device can withstand without damage at its rated current.  
 I<sub>MAX</sub>=Maximum fault current device can withstand without damage at rated voltage (V<sub>MAX</sub>).  
 P<sub>d</sub>=Typical power dissipated from device when in the tripped state in 23°C still air environment.  
 R<sub>MIN</sub>=Minimum device resistance at 23°C.  
 R<sub>1MAX</sub>=Maximum device resistance at 23°C measured 1 hour after tripping or reflow soldering of 260°C for 20 second.

Termination pad characteristics  
 Termination pad materials: Pure Tin

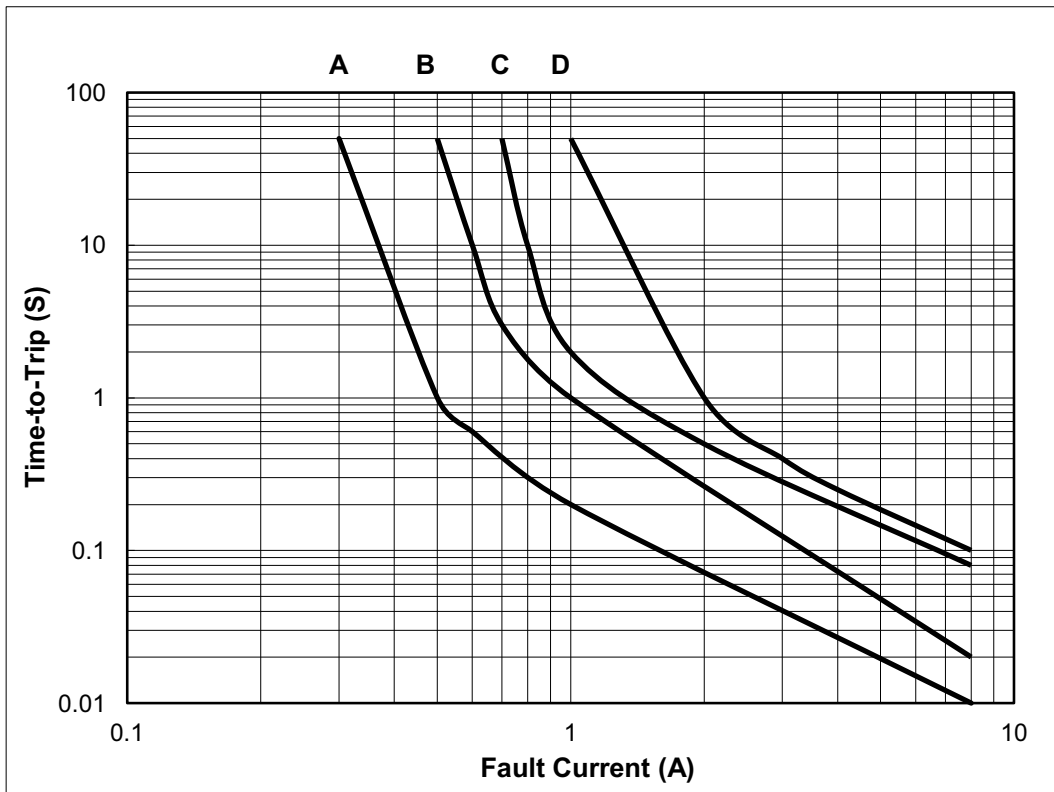
NOTE: All Specifications subject to change without notice.

■ **DIMENSIONS (mm)**



Part Number	A		B		C		D		E	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
FSMD010-0402RZ	0.85	1.15	0.35	0.65	0.30	0.60	0.10	0.45	0.05	0.40
FSMD020-0402RZ	0.85	1.15	0.35	0.65	0.30	0.60	0.10	0.45	0.05	0.40
FSMD035-0402RZ	0.85	1.15	0.35	0.65	0.30	0.60	0.10	0.45	0.05	0.40
FSMD050-0402RZ	0.85	1.15	0.35	0.65	0.30	0.60	0.10	0.45	0.05	0.40

■ **TYPICAL TIME-TO-TRIP AT 23°C**



A = FSMD010-0402RZ  
 B = FSMD020-0402RZ  
 C = FSMD035-0402RZ  
 D = FSMD050-0402RZ

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