

■ **FEATURES**

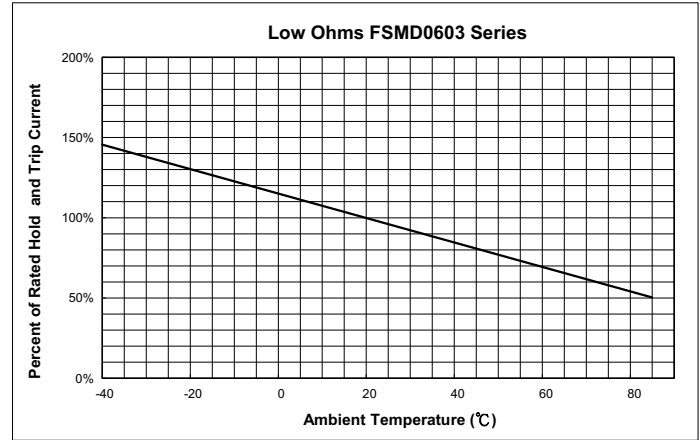
- Applications : All high-density boards
- Product Features : Faster time to trip and Lower resistnace than standard SMD devices
- Operation Current: 0.25A ~ 1.00A
- Maximum Voltage: 6V ~ 9Vdc
- Temperature Range: -40°C to 85°C

■ **AGENCY RECOGNITION**

Made for RFE by UL shop Fuzetec

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

■ **THERMAL DERATING CURVE**



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

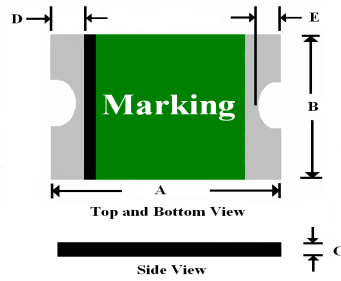
Part Number	Hold Current	Trip Current	Rated Voltage	Maximum Current	Typical Power	Max. Time to Trip		Resistance	
						Current	Time	R min	R1 max
	I _H , A	I _T , A	V _{MAX} , Vdc	I _{MAX} , A	P _d , W			Ohms	Ohms
FSMD025-0603RZ	0.25	0.55	9	100	0.5	8.0	0.1	0.50	3.00
FSMD035-0603RZ	0.35	0.75	6	100	0.5	8.0	0.1	0.20	1.00
FSMD050-0603RZ	0.50	1.00	6	100	0.6	8.0	0.1	0.07	0.35
FSMD075-0603RZ	0.75	1.50	6	100	0.6	8.0	0.2	0.05	0.25
FSMD100-0603RZ	1.00	1.80	6	100	0.6	8.0	0.3	0.04	0.12

I_H=Hold current-maximum current at which the device will not trip at 23°C still air.
 I_T=Trip current-maximum current at which the device will always trip at 23°C still air.
 V_{MAX}=Maximum voltage device can withstand without damage at its rated current.
 I_{MAX}=Maximum fault current device can withstand without damage at rated voltage (V_{MAX}).
 P_d=Typical power dissipated from device when in the tripped state in 23°C still air environment.
 R_{MIN}=Minimum device resistance at 23°C.
 R1_{MAX}=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.

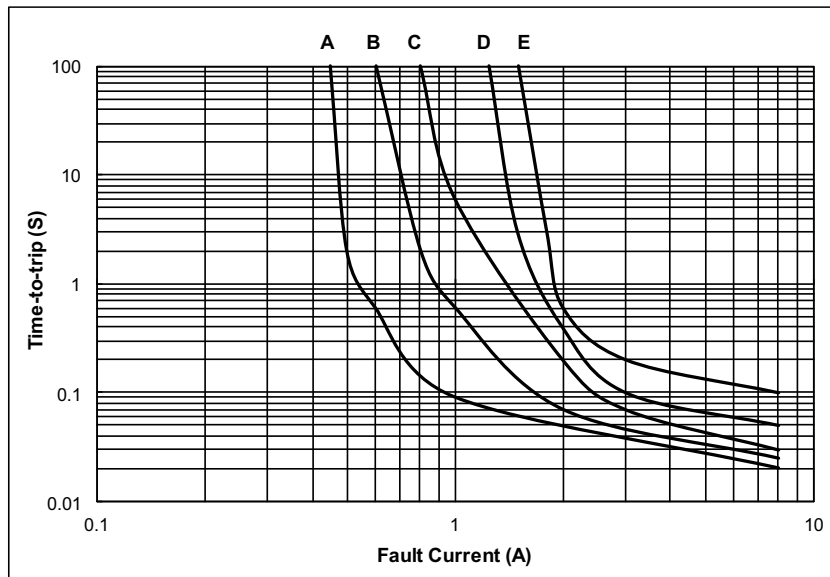
DIMENSIONS (mm)



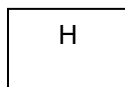
Part Number	A		B		C		D		E	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
FSMD025-0603RZ	1.40	1.80	0.45	1.00	0.30	0.70	0.10	0.50	0.08	0.40
FSMD035-0603RZ	1.40	1.80	0.45	1.00	0.30	0.70	0.10	0.50	0.08	0.40
FSMD050-0603RZ	1.40	1.80	0.45	1.00	0.30	0.70	0.10	0.50	0.08	0.40
FSMD075-0603RZ	1.40	1.80	0.45	1.00	0.30	0.70	0.10	0.50	0.08	0.40
FSMD100-0603RZ	1.40	1.80	0.45	1.00	0.30	0.70	0.10	0.50	0.08	0.40

TYPICAL TIME-TO-TRIP AT 23°C

- A = FSMD025-0603RZ
- B = FSMD035-0603RZ
- C = FSMD050-0603RZ
- D = FSMD075-0603RZ
- E = FSMD100-0603RZ



MARKING SYSTEM



Example



Part Identification

- H = FSMD025-0603RZ
- I = FSMD035-0603RZ
- J = FSMD050-0603RZ
- K = FSMD075-0603RZ
- L = FSMD100-0603RZ

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