

FEATURES

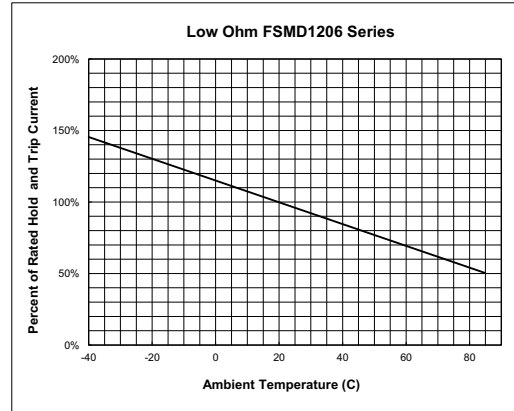
- Applications : All high-density boards
- Product Features : Faster time to trip and Lower resistnace than standard SMD devices
- Operation Current: 0.50A ~ 6.00A
- Maximum Voltage: 6Vdc
- Temperature Range: -40°C to 85°C

AGENCY RECOGNITION

Made for RFE by UL shop Fuzetec

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

THERMAL DERATING CURVE



ELECTRICAL CHARACTERISTICS (23°C)

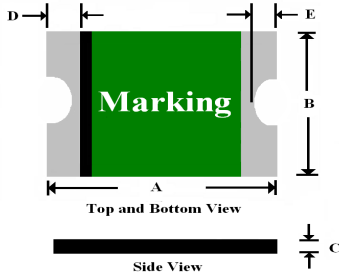
Part Number	Hold Current	Trip Current	Rated Voltage	Maximum Current	Typical Power	Max. Time to Trip		Resistance	
	I _H , A	I _T , A	V _{MAX} , Vdc	I _{MAX} , A	P _d , W	Current	Time	R min Ohms	R1 max Ohms
FSMD050-1206RZ	0.50	1.50	6	100	0.8	8.0	0.20	0.025	0.200
FSMD075-1206RZ	0.75	1.80	6	100	0.8	8.0	0.30	0.018	0.180
FSMD110-1206RZ	1.10	2.20	6	100	0.8	8.0	0.30	0.015	0.100
FSMD150-1206RZ	1.50	3.00	6	100	0.8	8.0	0.30	0.010	0.065
FSMD175-1206RZ	1.75	3.50	6	100	0.8	8.0	0.40	0.005	0.030
FSMD200-1206RZ	2.00	4.00	6	100	0.8	8.0	0.50	0.005	0.025
FSMD260-1206RZ	2.60	5.20	6	100	0.8	8.0	4.00	0.003	0.025
FSMD300-1206RZ	3.00	6.00	6	100	0.8	8.0	4.00	0.003	0.020
FSMD350-1206RZ	3.50	7.00	6	100	0.8	8.0	5.00	0.003	0.018
FSMD380-1206RZ	3.80	8.00	6	100	0.8	8.0	5.00	0.002	0.014
FSMD400-1206RZ	4.00	8.00	6	100	0.8	8.0	5.00	0.001	0.014
FSMD450-1206RZ	4.50	9.00	6	100	0.8	22.5	2.00	0.001	0.014
FSMD500-1206RZ	5.00	10.00	6	100	0.8	25.0	5.00	0.002	0.012
FSMD600-1206RZ	6.00	12.00	6	100	1.0	30.0	2.00	0.001	0.010
FSMD700-1206RZ	7.00	14.00	6	100	1.0	35.0	2.00	0.001	0.008

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.

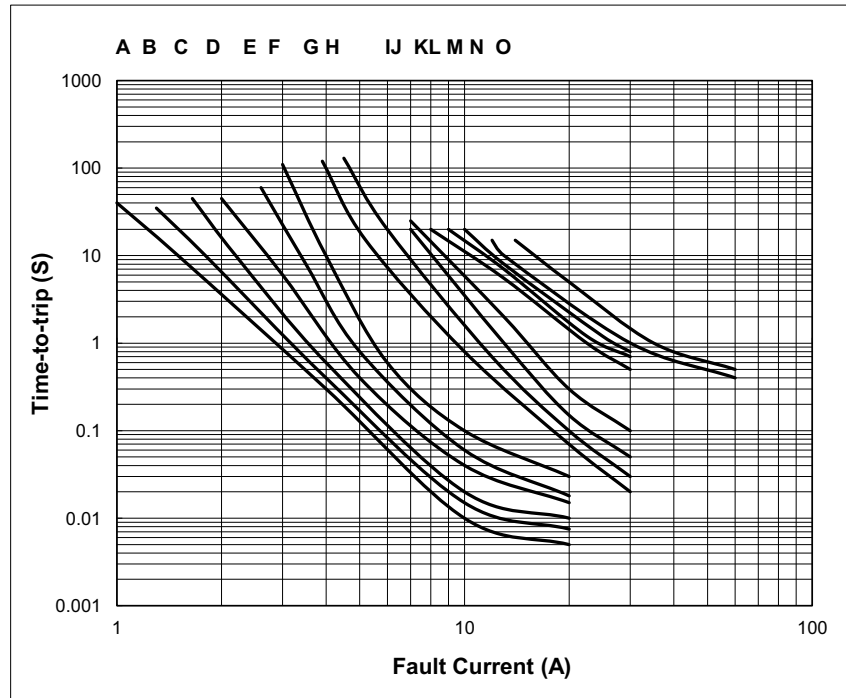
DIMENSIONS (mm)



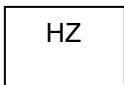
Part Number	A		B		C		D		E	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
FSMD050-1206RZ	3.00	3.50	1.50	1.80	0.30	0.70	0.25	0.75	0.10	0.45
FSMD075-1206RZ	3.00	3.50	1.50	1.80	0.30	0.70	0.25	0.75	0.10	0.45
FSMD110-1206RZ	3.00	3.50	1.50	1.80	0.30	0.70	0.25	0.75	0.10	0.45
FSMD150-1206RZ	3.00	3.50	1.50	1.80	0.30	0.70	0.25	0.75	0.10	0.45
FSMD175-1206RZ	3.00	3.50	1.50	1.80	0.30	0.70	0.25	0.75	0.10	0.45
FSMD200-1206RZ	3.00	3.50	1.50	1.80	0.30	0.70	0.25	0.75	0.10	0.45
FSMD260-1206RZ	3.00	3.50	1.50	1.80	0.30	1.00	0.25	0.75	0.10	0.45
FSMD300-1206RZ	3.00	3.50	1.50	1.80	0.30	1.00	0.25	0.75	0.10	0.45
FSMD350-1206RZ	3.00	3.50	1.50	1.80	0.60	1.00	0.25	0.75	0.10	0.45
FSMD380-1206RZ	3.00	3.50	1.50	1.80	0.60	1.00	0.25	0.75	0.10	0.45
FSMD400-1206RZ	3.00	3.50	1.50	1.80	0.60	1.00	0.25	0.75	0.10	0.45
FSMD450-1206RZ	3.00	3.50	1.50	1.80	0.60	1.00	0.25	0.75	0.10	0.45
FSMD500-1206RZ	3.00	3.50	1.50	1.80	0.60	1.00	0.25	0.75	0.10	0.45
FSMD600-1206RZ	3.00	3.50	1.50	1.80	0.60	1.00	0.25	0.75	0.10	0.45
FSMD700-1206RZ	3.00	3.50	1.50	1.80	0.60	1.00	0.25	0.75	0.10	0.45

TYPICAL TIME-TO-TRIP AT 23°C

- A = FSMD050-1206RZ
- B = FSMD075-1206RZ
- C = FSMD110-1206RZ
- D = FSMD150-1206RZ
- E = FSMD175-1206RZ
- F = FSMD200-1206RZ
- G = FSMD260-1206RZ
- H = FSMD300-1206RZ
- I = FSMD350-1206RZ
- J = FSMD380-1206RZ
- K = FSMD400-1206RZ
- L = FSMD450-1206RZ
- M = FSMD500-1206RZ
- N = FSMD600-1206RZ
- O = FSMD700-1206RZ



MARKING SYSTEM



Example



Part Identification

- | | |
|---------------------|---------------------|
| EZ = FSMD050-1206RZ | SZ = FSMD300-1206RZ |
| FZ = FSMD075-1206RZ | VZ = FSMD350-1206RZ |
| HZ = FSMD110-1206RZ | WZ = FSMD380-1206RZ |
| JZ = FSMD150-1206RZ | XZ = FSMD400-1206RZ |
| KZ = FSMD175-1206RZ | YZ = FSMD450-1206RZ |
| MZ = FSMD200-1206RZ | ZZ = FSMD500-1206RZ |
| QZ = FSMD260-1206RZ | BZ = FSMD700-1206RZ |
| | DZ = FSMD600-1206RZ |

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