

Lo Rho PPTC

Low Rho FSMD0805 Series



Application

All high-density boards

Product Features

Small surface mountable, Solid state, Faster time to trip than standard SMD devices, Lower resistance than standard SMD devices



Operation Current

0.75A~3.50A

Maximum Voltage

6V_{DC}



Temperature Range

-40°C to 85°C

Agency Recognition

AGENCY	AGENCY FILE NUMBER
	UL(E211981)
	C-UL(E211981)
	TÜV (R50090556)



Electrical Characteristics (23°C)

Part Number	Hold Current	Trip Current	Rated Voltage	Max. Current	Typ. Power	Max. Time to trip		Resistance	
						Current	Time	R _{MIN}	R _{1MAX}
						I _H , A	I _T , A	V _{MAX} , V _{DC}	I _{MAX} , A
FSMD075-0805RZ	0.75	1.50	6	100	0.6	8.0	0.20	0.040	0.160
FSMD110-0805RZ	1.10	1.80	6	100	0.6	8.0	0.30	0.030	0.130
FSMD125-0805RZ	1.25	2.50	6	100	0.6	8.0	0.30	0.025	0.110
FSMD150-0805RZ	1.50	3.00	6	100	0.6	8.0	0.30	0.015	0.065
FSMD175-0805RZ	1.75	3.50	6	100	0.6	8.0	0.60	0.005	0.055
FSMD200-0805RZ	2.00	4.00	6	100	0.6	8.0	1.00	0.005	0.045
FSMD300-0805RZ	3.00	7.00	6	100	0.6	8.0	5.00	0.003	0.030
FSMD350-0805RZ	3.50	7.00	6	100	0.6	8.0	5.00	0.002	0.025

Thermal Derating for PPTC Device at Various Ambient Temperatures

TEMPERATURE	-40°C	-20°C	0°C	23°C	30°C	40°C	50°C	60°C	70°C	85°C
DERATING %	145%	130%	115%	100%	92%	84%	77%	69%	61%	50%

Typical Time-To-Trip at 23°C

- A = FSMD075-0805RZ
- B = FSMD110-0805RZ
- C = FSMD125-0805RZ
- D = FSMD150-0805RZ
- E = FSMD175-0805RZ
- F = FSMD200-0805RZ
- G = FSMD300-0805RZ
- H = FSMD350-0805RZ

