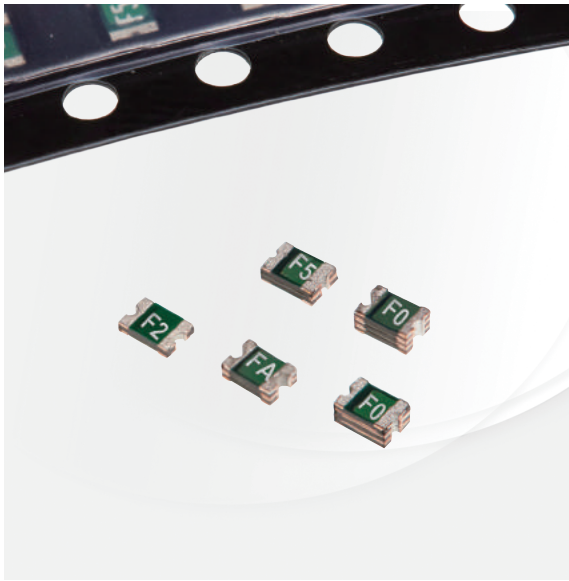


Surface Mount PPTC

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

0.10A~1.10A

Maximum Voltage

6V~24V_{DC}



Temperature Range

-40°C to 85°C

Agency Recognition

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



SVHC Compliant

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
FSMD010-0805-R	0.10	0.30	15	100	0.5	0.50	1.50	0.700	6.000
FSMD010-24-0805-R	0.10	0.30	24	100	0.5	0.50	1.50	0.700	6.000
FSMD020-0805-R	0.20	0.50	9	100	0.5	8.00	0.02	0.400	3.500
FSMD035-0805-R	0.35	0.75	6	100	0.5	8.00	0.10	0.250	1.200
FSMD050-0805R	0.50	1.00	6	100	0.5	8.00	0.10	0.150	0.850
FSMD050-9-0805R	0.50	1.00	9	100	0.5	8.00	0.10	0.150	0.850
FSMD075-0805R	0.75	1.50	6	100	0.6	8.00	0.20	0.090	0.350
FSMD100-0805R	1.00	1.95	6	100	0.6	8.00	0.30	0.060	0.210
FSMD110-0805R	1.10	2.20	6	100	0.6	8.00	0.20	0.050	0.200

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%	116%	100%	91%	84%	76%	69%	61%	50%

Typical Time-To-Trip at 23°C

- A = FSMD010-0805-R / FSMD010-24-0805-R
- B = FSMD020-0805-R
- C = FSMD035-0805-R
- D = FSMD050-0805R / FSMD050-9-0805R
- E = FSMD075-0805R
- F = FSMD100-0805R
- G = FSMD110-0805R

