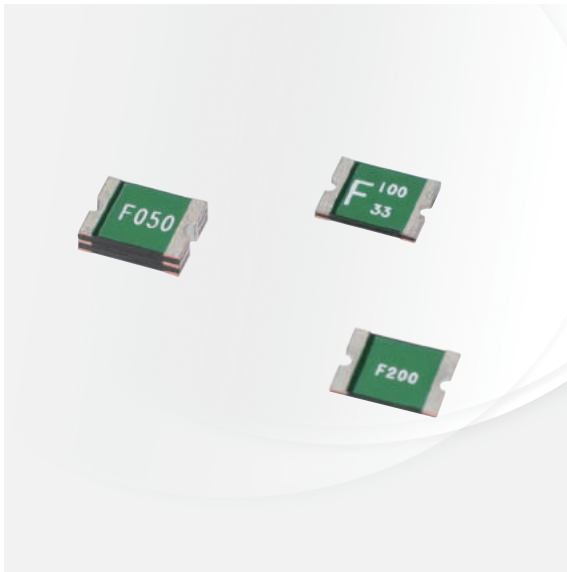


Surface Mount PPTC

FSMD2016 Series



Application

All high-density boards

Product Features

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



Operation Current

0.30A~2.00A

Maximum Voltage

6V~60V_{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	P _d , W	A	Sec	Ohms	Ohms
FSMD030-2016-R	0.30	0.60	60	100	1.4	1.5	3.0	0.400	2.300
FSMD050-2016R	0.55	1.10	60	100	1.4	2.5	5.0	0.200	1.000
FSMD075-2016R	0.75	1.50	60	100	1.4	8.0	0.5	0.130	0.900
FSMD100-2016-R	1.10	2.20	15	100	1.4	8.0	0.5	0.070	0.400
FSMD100-33-2016-R	1.10	2.20	33	100	1.4	8.0	0.5	0.070	0.400
FSMD150-2016-R	1.50	3.00	15	100	1.4	8.0	0.8	0.050	0.180
FSMD200-2016-R	2.00	4.20	6	100	1.4	8.0	3.0	0.030	0.100

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 %	157%	133%	118%	100%	90%	81%	70%	60%	51%	36%

Typical Time-To-Trip at 23°C

- A = FSMD030-2016-R
- B = FSMD050-2016R
- C = FSMD075-2016R
- D = FSMD100-2016-R
- E = FSMD100-33-2016-R
- F = FSMD150-2016-R
- G = FSMD200-2016-R

