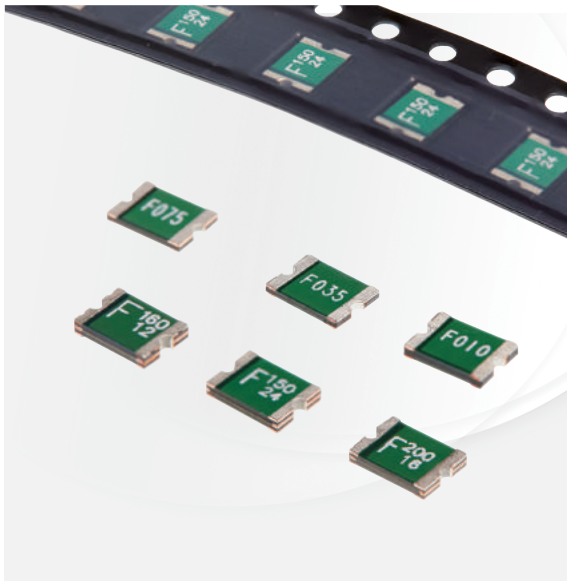


# Surface Mount PPTC

## FSMD1812 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

0.10A~3.00A

### Maximum Voltage

6V~60V<sub>DC</sub>



### 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 <sub>MIN</sub>	R <sub>1MAX</sub>
	I <sub>H</sub> , A	I <sub>T</sub> , A	V <sub>MAX</sub> , V <sub>DC</sub>	I <sub>MAX</sub> , A	Pd, W	A	Sec	Ohms	Ohms
FSMD010-R	0.10	0.30	60.0	100	0.8	8.0	0.020	1.600	15.000
FSMD014-R	0.14	0.30	60.0	100	0.8	8.0	0.008	1.200	6.500
FSMD020-R	0.20	0.40	30.0	100	0.8	8.0	0.020	0.800	5.000
FSMD020-60-R	0.20	0.40	60.0	100	0.8	8.0	0.020	0.800	5.000
FSMD030-R	0.30	0.60	30.0	100	0.8	8.0	0.100	0.200	1.750
FSMD035-R	0.35	0.70	16.0	100	0.8	8.0	0.100	0.320	1.500
FSMD035-30-R	0.35	0.70	30.0	100	0.8	8.0	0.100	0.320	1.500
FSMD050-R	0.50	1.00	16.0	100	0.8	8.0	0.150	0.150	1.000
FSMD050-30-R	0.50	1.00	30.0	100	0.8	8.0	0.150	0.150	1.000
FSMD075-R	0.75	1.50	16.0	100	0.8	8.0	0.200	0.110	0.450
FSMD075-24R	0.75	1.50	24.0	100	1.0	8.0	0.200	0.110	0.290
FSMD075-33R	0.75	1.50	33.0	100	1.0	8.0	0.200	0.110	0.400
FSMD110-R	1.10	2.20	8.0	100	0.8	8.0	0.300	0.040	0.210
FSMD110-16-R	1.10	2.20	16.0	100	0.8	8.0	0.500	0.060	0.180
FSMD110-24R	1.10	2.20	24.0	100	1.0	8.0	0.500	0.060	0.200
FSMD110-33R	1.10	2.20	33.0	100	0.8	8.0	0.500	0.060	0.200
FSMD125-R	1.25	2.50	6.0	100	0.8	8.0	0.400	0.050	0.140
FSMD125-16R	1.25	2.50	16.0	100	0.8	8.0	0.400	0.050	0.140
FSMD150-R	1.50	3.00	8.0	100	0.8	8.0	0.500	0.040	0.110
FSMD150-12R	1.50	3.00	12.0	100	1.0	8.0	0.500	0.040	0.110
FSMD150-24R	1.50	3.00	24.0	100	1.0	8.0	1.500	0.040	0.120
FSMD160-R	1.60	3.20	8.0	100	0.8	8.0	0.500	0.030	0.100
FSMD160-12R	1.60	3.20	12.0	100	1.0	8.0	1.000	0.030	0.100
FSMD160-16R	1.60	3.20	16.0	100	1.0	8.0	1.000	0.030	0.100
FSMD160-24R	1.60	3.20	24.0	100	1.0	8.0	1.000	0.030	0.100
FSMD200R	2.00	3.50	8.0	100	1.0	8.0	2.000	0.020	0.070
FSMD200-16R	2.00	3.50	16.0	100	1.0	8.0	5.000	0.020	0.085
FSMD260R	2.60	5.00	8.0	100	1.0	8.0	2.500	0.015	0.047
FSMD260-13R	2.60	5.00	13.2	100	1.3	8.0	5.000	0.015	0.050
FSMD260-16R	2.60	5.00	16.0	100	1.3	8.0	5.000	0.015	0.050
FSMD300R	3.00	5.00	6.0	100	1.0	8.0	4.000	0.012	0.040