FEATURES

- I(hold): 0.1A~14A
- RoHS compliant Lead-Free
- Fast time-to-trip
- Low resistance
- Radial leaded devices

APPLICATIONS

- PC motherboard - plug and play protection
- Industrial control
- Automotive electronics
- Medical products
- Power ports

ENVIRONMENTAL SPECIFICATIONS

Test	Conditions	Resistance change
Passive aging	+85°C,1000 hours	$\leqslant R_{max}$
Humidity aging	+85°C，85%R.H.,1000 hours	$\leqslant R_{max}$
Thermal shock	+125°C to -55°C，10 times	$\geqslant R_{min}$
Resistance to solvent	MIL-STD-202，Method 215	No change
Vibration	MIL-STD-202，Method 201	No change
Ambient operating conditions : - 40°C to +85°C Maximum surface temperature of the device in the tripped state is 125 °C		

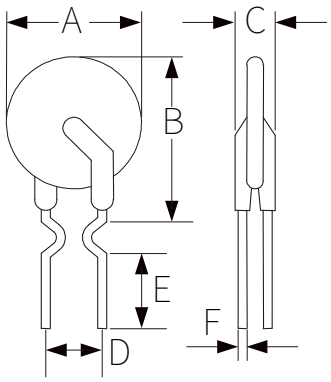
PERFORMANCE SPECIFICATION

Type Number	I_{hold}	I_{trip}	V_{max}	I_{max}	$P_{d\ typ}$	Max. Time to Trip		Ri_{min}	Ri_{max}
	A	A	$V_{(DC)}$	A	W	Current A	Tmax S	Ω	Ω
SK16-010	0.1	0.3	16	100	0.38	0.5	5	1500	7500
SK16-025	0.25	0.5	16	100	0.45	1.25	5	500	1950
SK16-030	0.3	0.6	16	100	0.49	1.5	5	300	700
SK16-050	0.5	1.0	16	100	0.56	2.5	5	200	500
SK16-075	0.75	1.5	16	100	0.72	3.75	5	100	320
SK16-090	0.9	1.8	16	100	0.83	4.5	5	90	180
SK16-110	1.1	2.2	16	100	0.94	5.5	5	60	150
SK16-135	1.35	2.7	16	100	1.2	6.75	5	40	130
SK16-160	1.6	3.2	16	100	1.4	8	5	40	110
SK16-200	2	4	16	100	2.2	6	15	35	75
SK16-300	3	6	16	100	2.3	9	15	20	60
SK16-400	4	8	16	100	2.4	12	15	20	40
SK16-500	5	10	16	100	2.6	15	15	14	25
SK16-600	6	12	16	100	2.8	18	15	10	21
SK16-700	7	14	16	100	3.0	21	15	8	15
SK16-800	8	16	16	100	3.0	24	15	6	13
SK16-900	9	18	16	100	3.3	27	25	4	12
SK16-1000	10	20	16	100	3.7	30	30	4	11
SK16-1100	11	22	16	100	3.7	33	30	3	9
SK16-1200	12	24	16	100	4.2	36	30	3	8
SK16-1300	13	26	16	100	4.2	39	50	3	8
SK16-1400	14	28	16	100	4.2	40	50	3	7

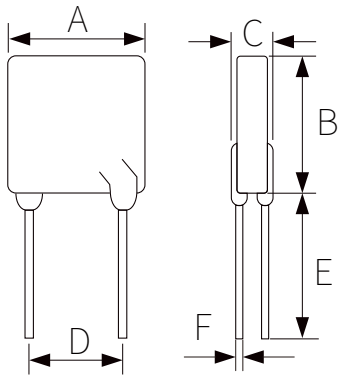
V_{max}= Maximum operating voltage device can withstand without damage at rated current (Imax).
I_{max}= Maximum fault current device can withstand without damage at rated voltage (V max).
I_{hold}= Hold Current. Maximum current device will not trip in 25°C still air.
I_{trip}= Trip Current. Minimum current at which the device will always trip in 25°C still air.
P_d= Power dissipation when device is in the tripped state in 25°C still air environment at rated voltage.
$Ri_{min/max}$=Minimum/Maximum device resistance prior to tripping at 25°C.

DIMENSIONS

Type 1:



Type 2:

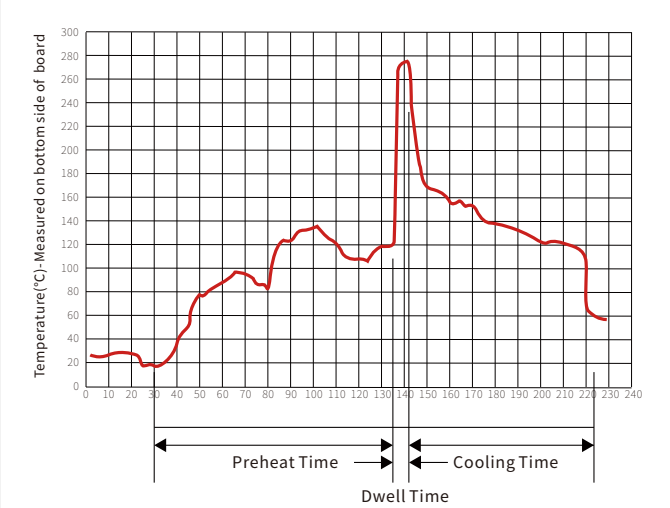


Part Number	A(max.)	B(max.)	C(max.)	D	E(Min.)	F(mm)	TYPE
SK16-010	5.5	12.0	3.0	5.1±0.75	4.6	Φ0.5	TYPE 1
SK16-025	5.5	12.0	3.0	5.1±0.75	4.6	Φ0.5	TYPE 1
SK16-030	5.5	12.0	3.0	5.1±0.75	4.6	Φ0.5	TYPE 1
SK16-050	5.5	12.0	3.0	5.1±0.75	4.6	Φ0.5	TYPE 1
SK16-075	5.5	13.5	3.0	5.1±0.75	4.6	Φ0.5	TYPE 1
SK16-090	7.4	13.5	3.0	5.1±0.75	4.6	Φ0.5	TYPE 1
SK16-110	7.4	13.5	3.0	5.1±0.75	4.6	Φ0.5	TYPE 1
SK16-135	7.4	13.5	3.0	5.1±0.75	4.6	Φ0.5	TYPE 1
SK16-160	7.4	14.0	3.0	5.1±0.75	4.6	Φ0.5	TYPE 1
SK16-200	9.0	12.0	3.0	5.1±0.75	4.6	Φ0.5	TYPE 2
SK16-300	9.0	12.0	3.0	5.1±0.75	4.6	Φ0.8	TYPE 2
SK16-400	10.0	13.0	3.0	5.1±0.75	4.6	Φ0.8	TYPE 2
SK16-500	11.8	17.5	3.0	5.1±0.75	4.6	Φ0.8	TYPE 2
SK16-600	11.8	17.5	3.0	5.1±0.75	4.6	Φ0.8	TYPE 2
SK16-700	13.5	23.0	3.0	5.1±0.75	4.6	Φ0.8	TYPE 2
SK16-800	13.5	23.0	3.0	5.1±0.75	4.6	Φ0.8	TYPE 2
SK16-900	15.0	24.0	3.0	5.1±0.75	4.6	Φ0.8	TYPE 2
SK16-1000	18.0	26.0	3.0	5.1±0.75	4.6	Φ0.8	TYPE 2
SK16-1100	18.0	26.0	3.0	5.1±0.75	4.6	Φ0.8	TYPE 2
SK16-1200	22.5	26.0	3.0	10.2±0.75	4.6	Φ0.8	TYPE 2
SK16-1300	24.0	30.0	3.0	10.2±0.75	4.6	Φ0.8	TYPE 2
SK16-1400	24.0	30.0	3.0	10.2±0.75	4.6	Φ0.8	TYPE 2

THERMAL DERATING CHART-IH(A)

Part Number	Ambient Operation Temperature									
	-40 °C	-20 °C	0 °C	25 °C	30 °C	40 °C	50 °C	60 °C	70 °C	85 °C
SK16 Series	137%	130%	115%	100%	91%	83%	77%	68%	61%	52%

WAVE SOLDERING



Wave Parameter		Lead–free assembly
Pre Heat	Temperature Min	100°C
	Temperature Max	150°C
	Time(min to max)	60 – 180 secs
Solder pot Temperature		280°C Max
Solder Dwell Time		2-5 seconds

ORDERING INFORMATION

Part Number	Base Quantity	Packing Option
SK16-010~SK16-600	1000pcs	Bag
SK16-700~SK16-900	500pcs	Bag
SK16-1000~SK16-1400	200pcs	Bag

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