FEATURES

- I(hold): 0.11~0.16A
- RoHS compliant, Lead-Free
- Fast time-to-trip
- Bulk packaging,or tape and reel available
- Low resistance
- Radial leaded device

APPLICATIONS

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

ENVIRONMENTAL SPECIFICATIONS

Test	Conditions	Resistance change
Passive aging	+85°C,1000 hours	±8% typical
Humidity aging	+85°C，85%R.H.,1000 hours	±8% typical
Thermal shock	+125°C to -55°C，10times	±12% typical
Resistance to solvent	MIL-STD-202，Method 215F	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

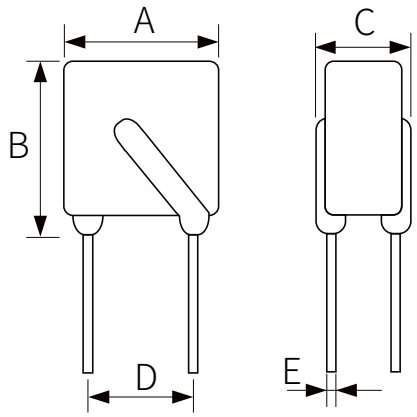
Type Number	I_{hold}	I_{trip}	V_{max} Interrupt	I_{max}	$P_{d\ typ}$	Max. Time to Trip		Ri_{min}	Ri_{max}
	A	A	V_{RMS}	A	W	Current A	Tmax S	Ω	Ω
SK600-110	0.11	0.22	600	3	1.0	1.0	8.0	6.0	16
SK600-150	0.15	0.30	600	3	1.0	1.0	9.0	5.0	14
SK600-160	0.16	0.32	600	3	1.0	1.0	10	4.0	12

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.
$R1_{max}$=Maximum device resistance is measured one hour post reflow.

THERMAL DERATING CHART-IH(A)

Part Number	Ambient Operation Temperature								
	-40 °C	-20 °C	0 °C	25 °C	40 °C	50 °C	60 °C	70 °C	85 °C
SK600-110	0.162	0.152	0.131	0.11	0.913	0.0803	0.0704	0.0605	0.0462
SK600-150	0.221	0.207	0.178	0.15	0.125	0.110	0.096	0.825	0.063
SK600-160	0.235	0.221	0.190	0.16	0.133	0.117	0.102	0.088	0.0672

DIMENSIONS



Unit :mm

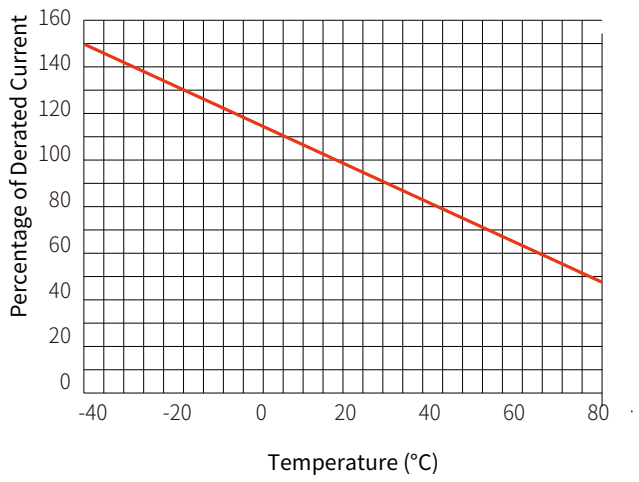
Part Number	A(max)	B(max)	C(max)	D(typ)	E
SK600-110	15	15	5.5	5.1	Φ0.6
SK600-150	15	15	5.5	5.1	Φ0.6
SK600-160	15	15	5.5	5.1	Φ0.6

ENVIRONMENTAL SPECIFICATIONS

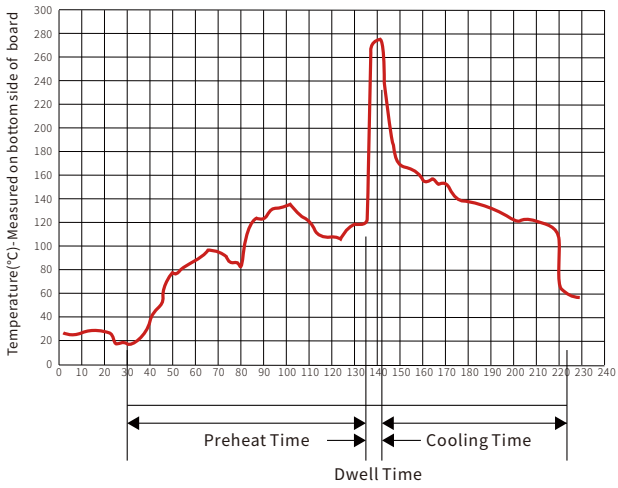
Items	Test Conditions	Accept/Reject Criteria
Resistance	In still air@25°C	Rmin≤R≤Rmax
Time to Trip	Specified current, Vmax,25°C	T≤max.Time to trip(Ttrip)
Hold Current	60 min,at IH	No trip
Trip Cycle Life	Vmax,Imax,100 cycles	No arcing or burning
Trip Endurance	Vmax,24 hours	No arcing or burning

PARAMETER CHARACTERISTIC CURVE

FIG.1: Thermal Derating Curve



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
SK600-110~SK600-160	200pcs	Bag

Headquarters
No.3387 Shendu Road
Pujiang I&E Park
Minhang Shanghai China
201000

Hotline
400-021-5756

Web
Https://www.semiware.com

Sales Center
Tel: 86-21-3463-7458
Email: sales18@semiware.com

Customer Service
Tel: 86-21-5484-1001
Email: sales17@semiware.com

Technical Support
Tel: 86-21-3463-7654
Email: fae01@semiware.com

Complaint & Suggestions
Tel: 86-21-3463-7172
Ext: 8868
Email: cs03@semiware.com

By QR Code
Website
Wechat

To find your local partner within Semiware' s global website: www.semiware.com