

Type SSQC & SSTC

2410 size SMD fuses, pre-assembled in SMD clips

HF 66 Conflict free metals

RoHS 6 Compliant

Features

- Surface mount, 2410 assembly
- Allows solderless field replacement of open fuse
- Available in rating of SSQC 250mA to 8A and SSTC 375mA to 7A
- Wide operating temperature range
- Tape & Reel for automatic placement
- RoHS 6 compliant (MSL = 1)
- Halogen Free
- Leadfree

Applications

- Notebook
- LCD monitor
- PC computer
- Office electronic equipment
- Industrial equipment
- Medical equipment
- POE, POE+
- LCD / LED monitor
- Power supply
- LCD / LED TV

LEAD FREE =



HALOGEN FREE = HF



These fuse/clip assemblies can be efficiently placed in a single pass. Once reflowed, fuse replacement requires no resoldering.

Physical Specification

Materals

Clip Terminals: Matte Tin Plated Inconel Alloy

Electrical Specification

Maximum Recommended Fuse Current Rating 8Amperes, 125Volts. Use of SSQ fuses rated higher than 8A, i.e. 10A, 12A, 15A may be suitable with proper evaluation. (Consult with bel engineering)

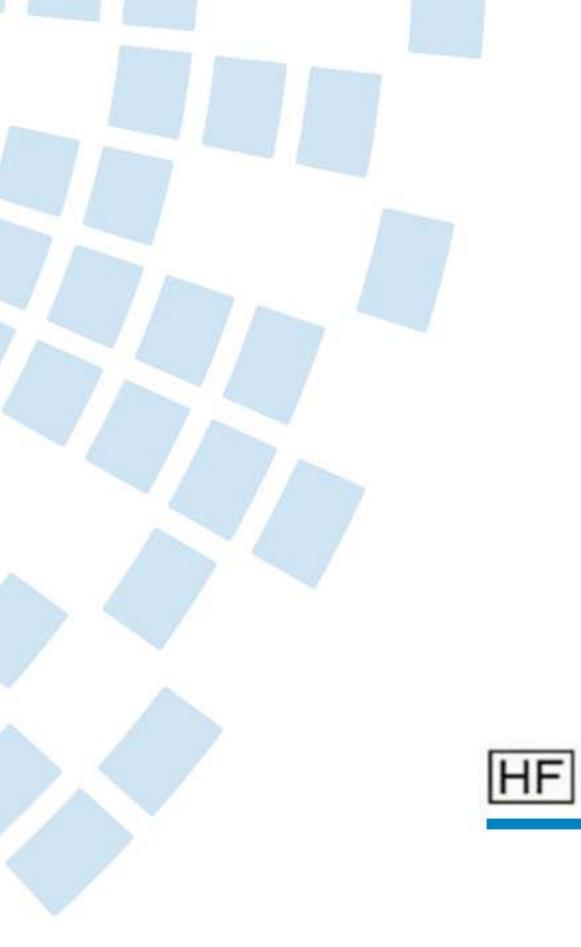
Environmental Specification

	MIL-STD-202G, Method 213B, Test Condition 1 (100 G's peak for 6 milliseconds; Sawtooth waveform)			
Vibration Resistance	MIL-STD-202G, Method 201A(10-55 Hz,0.06 inch, total excursion			
Salt Spray Resistance	MIL-STD-202G, Method 101E, Test Condition B(48 hrs).			
I Inglianon Ragigiania	MIL-STD-202G, Method 302, Test Condition A (After Opening) 10,000 ohms minimum.			
Solderability	MIL-STD-202G, Method 208H			
Thermal Shock	MIL-STD-202G, Method 107G, Test Condition B (-65 °C to +125 °C).			
Operating Temperature	-55 °C to +125 °C			
Moisture Sensitivity Level	1 (According to IPC J-Std-020)			

Specifications subject to change without notice



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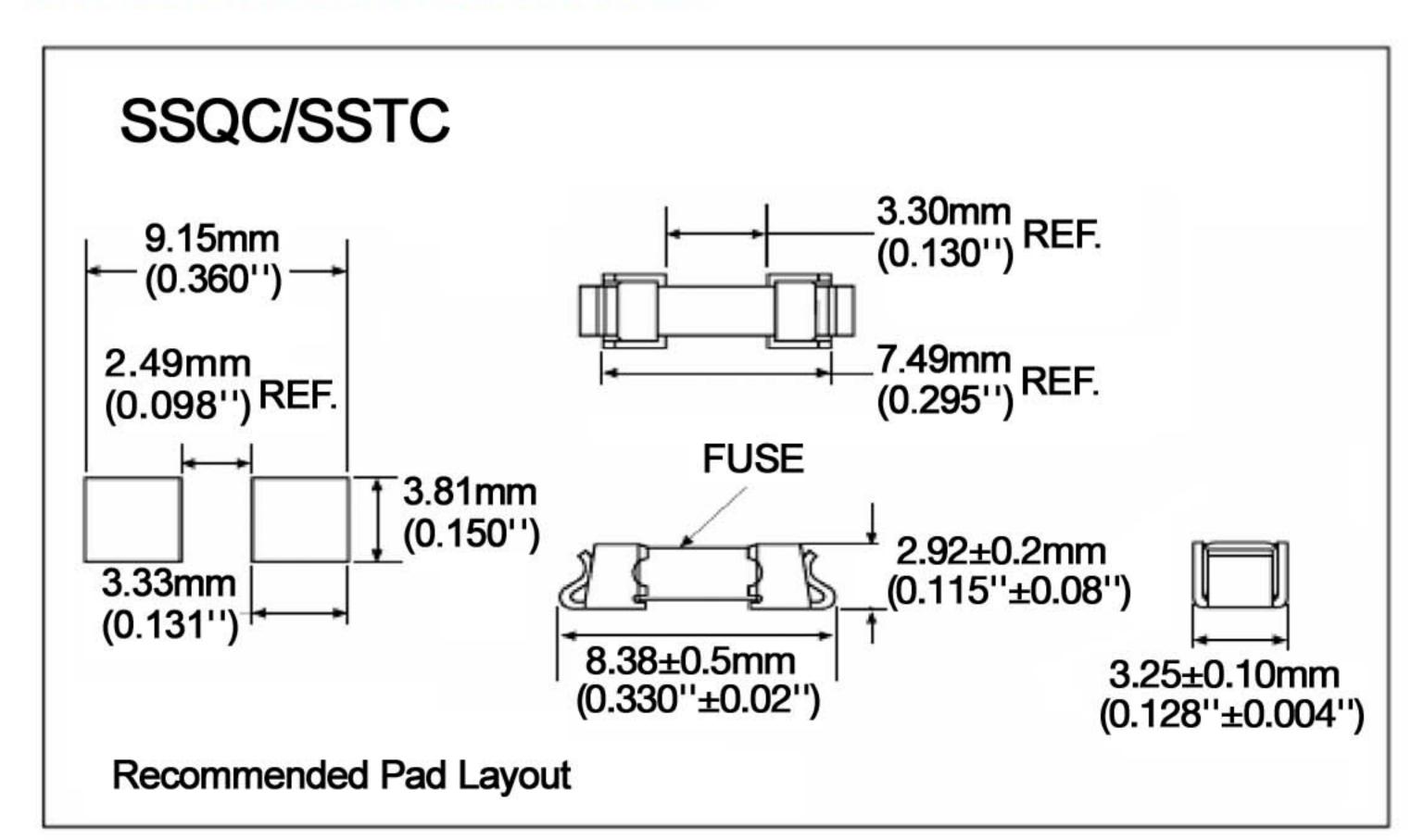
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Mechanical Dimensions



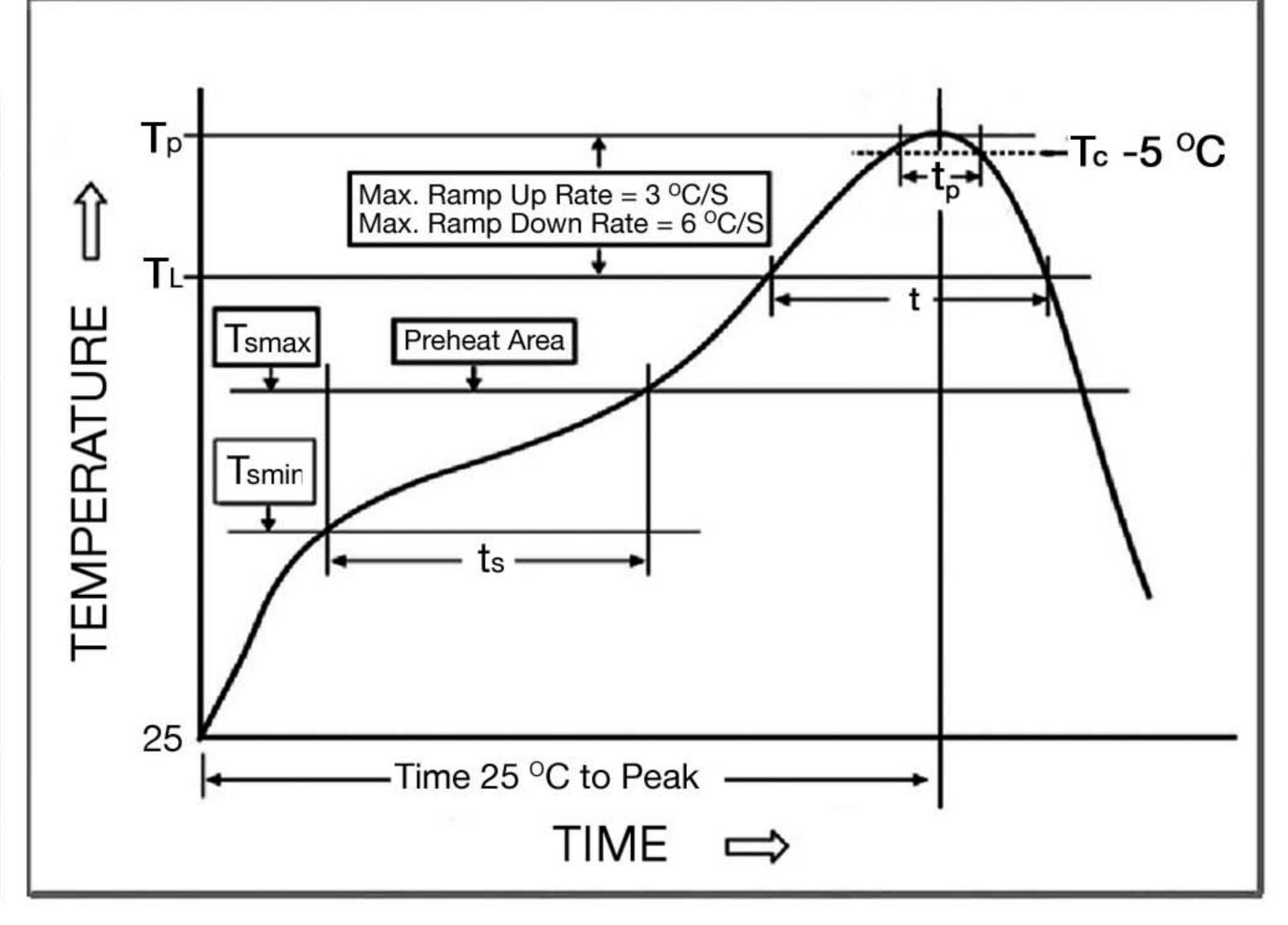
SSQ Square Ceramic Surface Mount Quick Action Fuse				
Catalog Number	Ampere Rating			
SSQC 250	250mA			
SSQC 375	375mA			
SSQC 500	500mA			
SSQC 750	750mA			
SSQC 1	1A			
SSQC 1.25	1.25A			
SSQC 1.5	1.5A			
SSQC 2	2A			
SSQC 2.5	2.5A			
SSQC 3	3A			
SSQC 3.5	3.5A			
SSQC 4	4A			
SSQC 5	5A			
SSQC 6.3	6.3A			
SSQC 7	7A			
SSQC 8	8A			

SST Square Ceramic Surface Mount Slow Blow Fuse				
Catalog Number	Ampere Rating			
SSTC 375	375mA			
SSTC 500	500mA			
SSTC 625	625mA			
SSTC 750	750mA			
SSTC 1	1A			
SSTC1.5	1.5A			
SSTC 2	2A			
SSTC 2.5	2.5A			
SSTC 3	3A			
SSTC 3.5	3.5A			
SSTC 3.75	3.75A			
SSTC 4	4A			
SSTC 5	5A			
SSTC 6	6A			
SSTC 6.3	6.3A			
SSTC 7	7A			

Consult manufacturer for other ratings

RoHS 6 Compliant Product

IR Reflow Profile (IPC/JEDEC J-STD-020D)				
Preheat & Soak Temperature min (Tsmin) Temperature max (Tsmax) Time (Tsmin to Tsmax) (ts)	150 °C 200 °C 60 -120 seconds			
Average ramp-up rate (Tsmax to Tp)	3 °C/second max.			
Liquidous temperature (TL) Time at liquidous (tL)	217 °C 60 - 150 seconds			
Peak temperature (Tp)	260 °C max			
Time (tp) within 5 °C of the specified classification temperture (Tc)	30 seconds			
Average ramp-down rate (Tp to Tsmax)	6 °C/second max.			
Time 25 °C to peak temperature	8 minutes max.			



Packaging

Packaging Tape & Reel	Packaging Specification	Quantity	Part Number Code	Туре
16mm wide tape, 8mm pitch with 7 inches Diameter reel	EIA Standard 481-E	500	0679-XXXX-12	SSQC
16mm wide tape, 8mm pitch with 7 inches Diameter reel	EIA Standard 481-E	500	0680-XXXX-12	SSTC

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