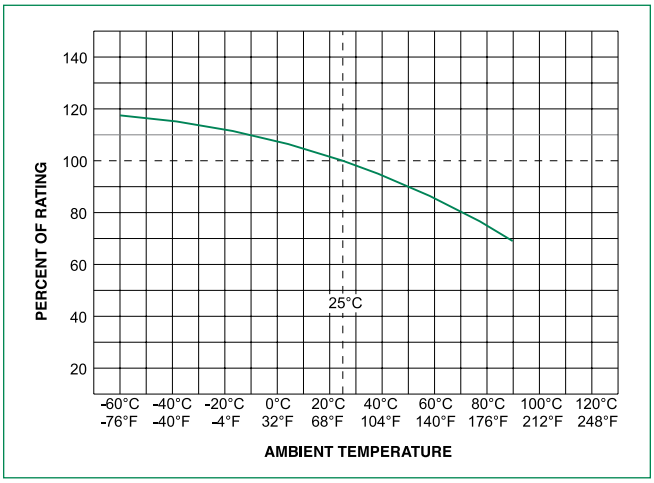
Surface Mount Fuses

Thin Film > 0402 Size > Very Fast-Acting > 435 Series

Temperature Re-rating Curve



Note:

1. Rerating depicted in this curve is in addition to the standard derating of 25% for continuous operation.

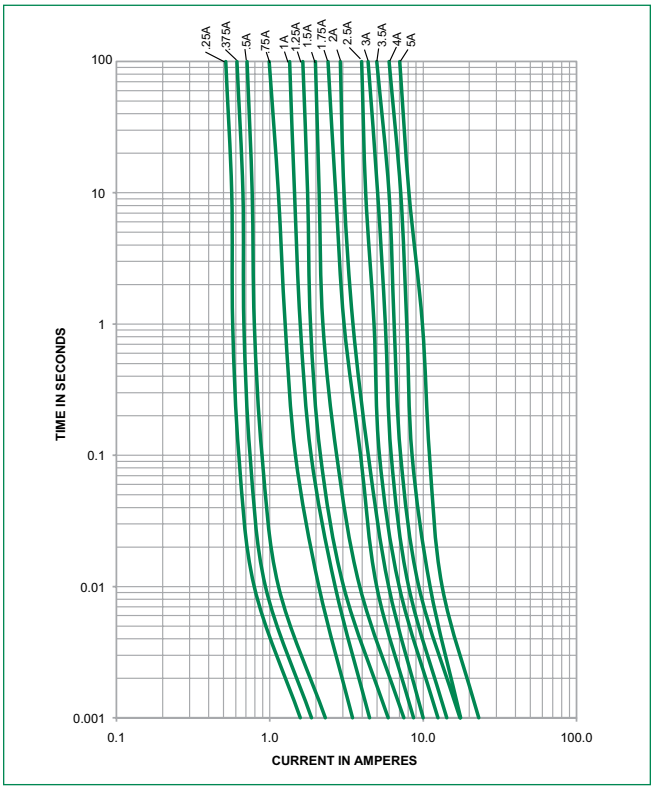
Example:

For continuous operation at 70 degrees celsius, the fuse should be deratedas follows:

$I = (0.75)(0.80)I_{RAT} = (0.60)I_{RAT}$

2. The temperature derating curve represents the nominal conditions. For questions about temperature derating curve, please consult Littelfuse technical support for assistance.

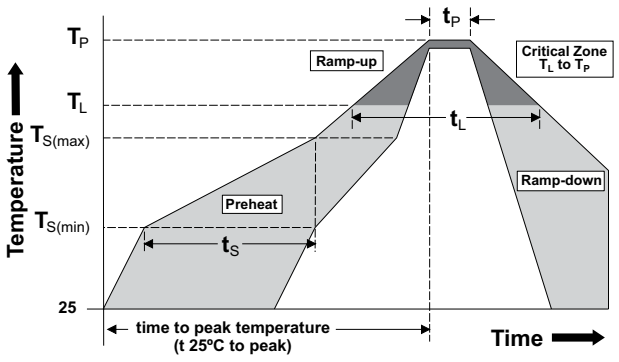
Average Time Current Curves



Soldering Parameters

Reflow Condition		Pb – Free assembly
Pre Heat	**- Temperature Min ($T_{s(min)}$)**	150°C
	- Temperature Max ($T_{s(max)}$)	200°C
	- Time (Min to Max) (t_s)	60 – 120 secs
Average ramp up rate (Liquidus Temp (T_L) to peak		5°C/second max
$T_{S(max)}$ to T_L - Ramp-up Rate		5°C/second max
Reflow	**- Temperature (T_L) (Liquidus)**	217°C
	- Temperature (t_L)	60 – 150 seconds
Peak Temperature (T_P)		$250^{+0/-5}$ °C
Time within 5°C of actual peak Temperature (t_p)		20 – 40 seconds
Ramp-down Rate		5°C/second max
Time 25°C to peak Temperature (T_P)		8 minutes Max.
Do not exceed		260°C

Wave Soldering	260°C, 10 seconds max.



Revised: 02/20/20

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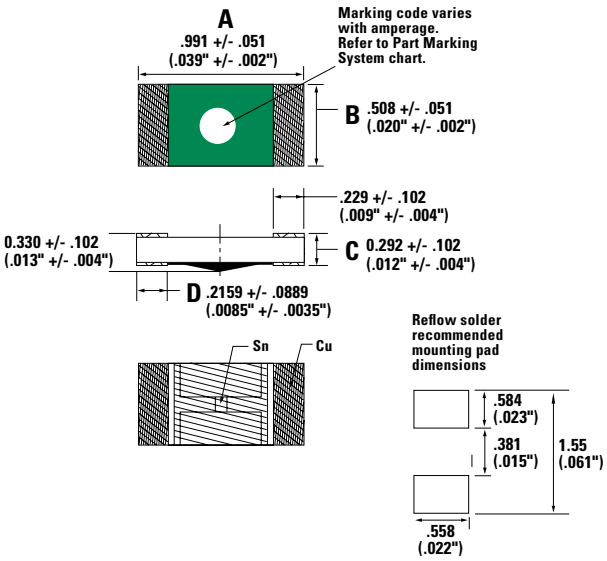
Product Characteristics

Materials	**Body:** Epoxy / Glass Substrate; Parts with 'HF' suffix: Halogen Free Epoxy / Glass **Terminations:** 100% Tin over Nickel over Copper **Device Weight:** 0.316mg
Terminal Strength	MIL-STD-202, Method 211, Test Condition A
Insulation Resistance	After Opening: Greater than 10,000Ohms

Operating Temperature	–55°C to 90°C. Consult temperature re-rating curve chart. For operation above 90°C please contact Littelfuse.
Thermal Shock	Withstands 5 cycles of –55°C to 125°C
Vibration	MIL-STD-202, Method 201

Dimensions



Unit	A	B	C	D
inch min	0.037	0.018	0.008	0.005
inch max	0.041	0.022	0.016	0.012
mm min	0.94	0.457	0.190	0.127
mm max	1.04	0.559	0.394	0.305

Packaging

Packaging Option	Packaging Specification	Quantity	Quantity & Packaging Code
8mm Tape and Reel	EIA-481 Rev. D (IEC 60286, part 3)	10000	KR

Part Marking System

Amp Code	Marking Code
0.250	
0.375	
0.500	
0.750	
001.	
1.25	
01.5	
1.75	
002.	
02.5	
003.	
03.5	
004.	
005.	

Part Numbering System