

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 derated as follows: I = (0.75)(0.80)|_{8x1} = (0.60)|_{8x1} 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		
	- Temperature Min (T _{s(min)})		150°C	
Pre Heat	- Temperature Max (T _{s(max)})		200°C	
	- Time (Min to Max) (t)		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	Time within 5°C of actual peak Temperature (t,) 20 – 40 second			
Ramp-down Rate 5°C/second m		5°C/second max		
Time 25°C to peak Temperature (T _P) 8 minut		8 minutes Max.		
Do not exceed		260°C		
Wave Solde	ring	260°C, 10 seconds max.		





Product Characteristics

Dimensions

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 10,0000hms	

Marking code varies with amperage.

Operating	-55°C to 90°C.	
Temperature	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	

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.	סעננס
03.5	
004.	
005.	[]=]

Part Numbering System



	.991 +/051 (.039" +/002")	System ch	art Marking art. +/051 " +/002")
0.330 +/102 (.013" +/004")	D 2159 +/0889 (.0085" +/0039	<u> </u>	

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Unit	Α	В	С	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	

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