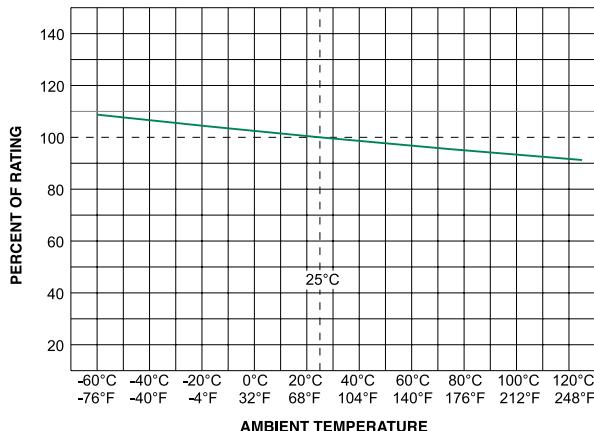


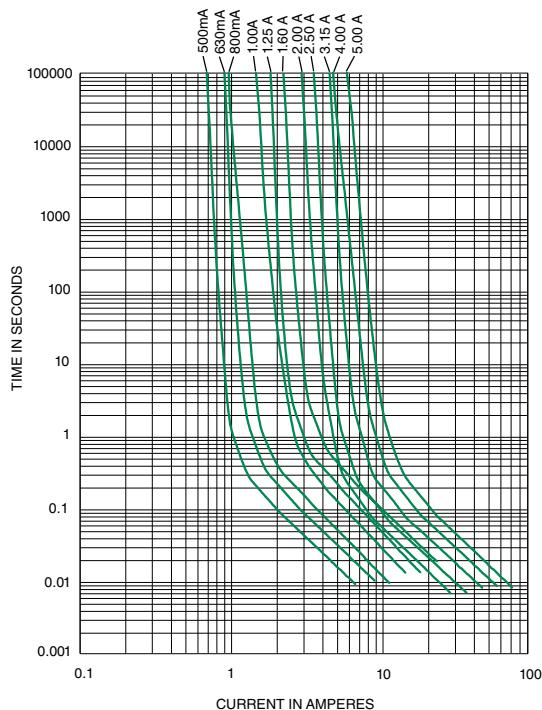
Temperature Re-rating Curve



Note:

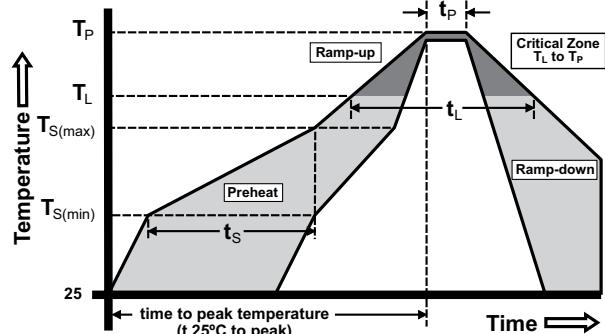
1. Rerating depicted in this curve is in addition to the standard derating of 25% for continuous operation.

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 seconds
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 – 90 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.

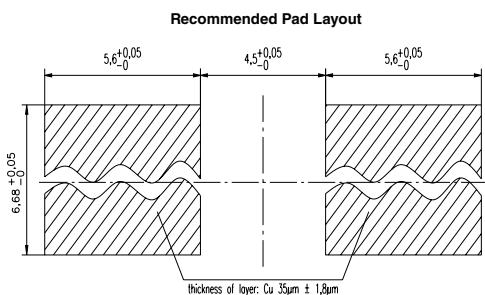
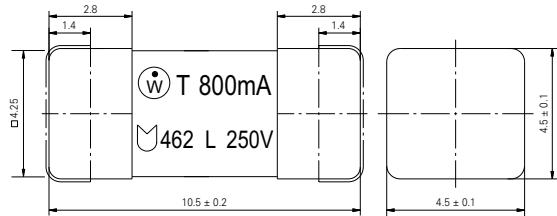


Product Characteristics

Materials	Body: Plastic UL 94 V-0 Cap: Tin-plated brass
Product Marking	Body: Brand Logo, "T" for Time-Lag, Current Rating, L Voltage Rating, UMF logo
Solderability	IEC 60068-2-58
Resistance to Soldering Heat	IEC 60068-2-58

Operating Temperature	-40°C to +85°C with proper derating
Climatic Category	IEC60068-1, -2-1, -2-2, -2-78 (-40°C to +85°C / 21 days)
Vibration	IEC60068-6 (24 cycles of 15 mins each, 1-60 Hz at 0.75mm amplitude, 60-2000 Hz at 10g acceleration)
Moisture Sensitivity Level	J-STD-020, Level 1

Dimensions



Part Numbering System

462	0	500	0	0	0
SERIES	RESERVE CHARACTER				
AMP CODE	0: Default				
0: < 1A	PACKAGING CODE				
1: > 1A	0: Tape and Reel, 1500 pcs				
AMP RATING	VARIANT				
100: 1A	0: Standard				
125: 1.25A	KIND				
160: 1.6A	0: Standard				
200: 2A					
250: 2.5A					
315: 3.15A					
400: 4A					
500: 500mA, 5A					
630: 630mA					
800: 800mA					

Examples:

0.5 amp (500mA) product is
462 0 500 0 0 0

5.0 amp product is
462 1 500 0 0 0

Please refer to Amp Code column of the Electrical Specifications table on the first page of this document.

Packaging

Packaging Option	Packaging Specification	Quantity	Quantity & Packaging Code
16mm Tape and Reel	IEC 60286, part 3	1500	0

Disclaimer Notice - Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability of and test each product selected for their own applications. Littelfuse products are not designed for, and may not be used in, all applications. Read complete Disclaimer Notice at www.littelfuse.com/disclaimer-electronics.