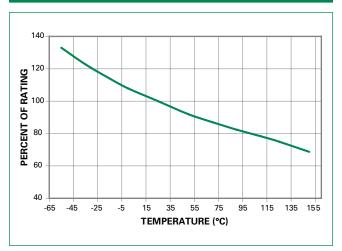


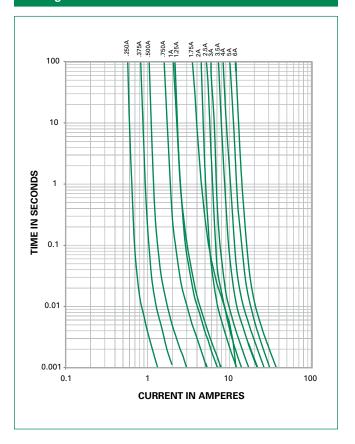
# **Temperature Re-rating Curve**



1. Re-rating depicted in this curve is in addition to the standard re-rating of 20% for continuous operation.

For continuous operation at 75 degrees celsius, the fuse should be rerated as follows:  $I = (0.80)[0.85]I_{\rm RAT} = (0.68)I_{\rm RAT}$ 

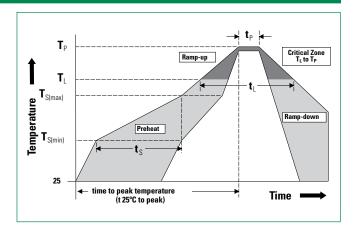
# **Average Time Current Curves**



# **Soldering Parameters**

Reflow Condition		Pb – free assembly
	-Temperature Min (T <sub>s(min)</sub> )	150°C
Pre Heat	-Temperature Max (T <sub>s(max)</sub> )	200°C
	-Time (Min to Max) (t <sub>s</sub> )	60 – 180 seconds
Average Ramp-up Rate (Liquidus Temp (T <sub>L</sub> ) to peak)		3°C/second max.
$T_{S(max)}$ to $T_L$ -	Ramp-up Rate	5°C/second max.
Reflow	-Temperature (T <sub>L</sub> ) (Liquidus)	217°C
Reliow	- Temperature (t <sub>L</sub> )	60 – 150 seconds
Peak Temperature (T <sub>P</sub> )		260+0/-5 °C
Time within 5°C of actual peak Temperature (tp)		10 – 30 seconds
Ramp-down Rate		6°C/second max.
Time 25°C to peak Temperature (T <sub>P</sub> )		8 minutes max.
Do not exceed		260°C





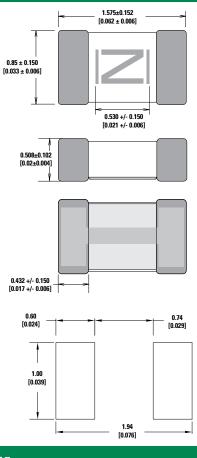


### **Product Characteristics**

	Body: Advanced Ceramic		
Materials	Terminations: Ag/Ni/Sn (100% Lead-free)		
iviateriais	J		
	Element Cover Coating: Lead-free Glass		
Moisture Sensitivity Level	IPC/JEDEC J-STD-020, Level 1		
Solderability	IPC/EIC/JEDEC J-STD-002, Condition C MIL-STD-202, Method 103, Conditions D MIL-STD-202, Method 210, Condition B		
Humidity Test			
Resistance to Solder Heat			
Moisture Resistance	MIL-STD-202, Method 106		
Thermal Shock	MIL-STD-202, Method 107, Condition B		
Mechanical Shock	MIL-STD-202, Method 213, Condition A MIL-STD-202, Method 201 MIL-STD-202, Method 204, Condition D		
Vibration			
Vibration, High Frequency			
Dissolution of Metallization	IPC/EIC/JEDEC J-STD-002, Condition D		
Terminal Strength	IEC 60127-4		

High Temperature Storage	MIL-STD-202 Method 108 with exemptions		
Thermal Shock Test	JESD22 Method JA-104,		
Thermal Shock lest	Test Conditions B and N		
Biased Humidity	MIL-STD-202 Method 103, 85°C/85% RH		
biased numbers	with 10% operating power for 1000 hrs		
Operational Life	MIL-STD-202 Method 108, Test Condition D		
Resistance To Solvents	MIL-STD-202 Method 215		
Mechanical Shock	MIL-STD-202 Method 213, Test Condition C		
High Frequency Vibration	MIL-STD-202, Method 204		
Resistance To Soldering Heat	MIL-STD-202 Method 210, Test Condition B		
Solderability	JESD22-B102E Method 1		
Terminal Strength For SMD	AEC Q200-006		
Board Flex	AEC Q200-005		
<b>Electrical Characterization</b>	3 Temperature Electrical Characterization		

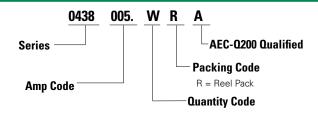
# **Dimensions**



# **Part Marking System**

Amp Code	Marking Code
.250	D
.375	E
.500	F
.750	G
001.	Н
1.25	J
1.75	L
002.	<u>N</u>
02.5	<u> </u>
003.	P
03.5	R
004.	S
005.	Т
006.	U

## **Part Numbering System**



# **Packaging**

Packaging Option	Packaging Specification	Quantity	Quantity & Packaging Code
8mm Tape and Reel	EIA-481, IEC 60286, Part 3	3000	WR

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