



## R48003-160

### Features:

Size Radial
Lead Free and compliant with the European Union
Fast tripping resettable circuit protection
Surface mount packaging for automated assembly

### Technical Specifications:

**I<sub>h</sub>**= Hold current maximum current device will pass without interruption in 25° C still air unless

**I<sub>T</sub>**= Trip current: minimum current that will switch the device from low resistance, Resistance in 25°C still unless otherwise specified.

**V<sub>max</sub>**= Maximum Voltage device can withstand without damage at rated current

**V<sub>max. Interrupt</sub>**= Maximum interrupt voltage device can withstand without damage at current

**I<sub>max</sub>**= Maximum fault current device can withstand without damage at rated voltage.

**Time-TO-TRIP**= Maximum Time to trip (s) at assigned current.

**P<sub>d typ</sub>**= Typical Power dissipation : typical amount of power dissipated by the device when in state air environment

**R<sub>min</sub>**= Minimum device resistance at 25°C prior to tripping

**R<sub>max</sub>**= Minimum device resistance at 25°C prior to tripping

**R<sub>1max</sub>**= The maximum resistance of the device at 25°C 1hour after being tripped or after reflow soldering:

### Thermal Derating chart-I H (A)

Range	Maximum ambient operating temperature ( °C)								
	-.40	-.20	0	23	40	50	60	70	85
1600mA	2,60	2,30	1,95	1,60	1,3	1,13	1,00	0,80	0,60

### Approval:



**Radial POLY FUSE 60Volt**

Part No.: **R48003-160**

Customer:

DRW:	Lexua	CHKD	Wilson	MATL:	ChuChu	DATE	06.04.2009
APPD:	Jimmy			FINISH	Josy	Sheet	1 from 3

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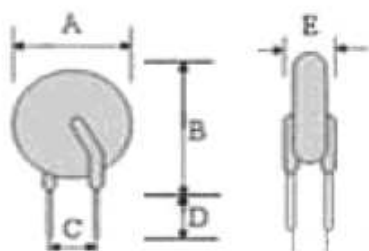


## Technical Drawing and Informations

### Dimensions

A (mm)		B (mm)		C (mm)		D (mm)		E (mm)	
Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
	16,30		20,80		3,00	7,60		4,30	5,80

### Type 2



### Performance Rating:

Range	ICH	IT	V max	I m ax	Pd typ	Maximum Time to Trip		Resistance:		
	(A)	(A)	(V DC)	(A)	(W)	Current (A)	Time (Sec.)	Rmin (Ω)	Rmax (Ω)	R1max (Ω)
	<b>1600mA</b>	<b>1,60</b>	<b>3,20</b>	<b>60,0</b>	<b>40,0</b>	<b>1,90</b>	<b>8,00</b>	<b>11,4</b>	<b>0,09</b>	<b>0,14</b>

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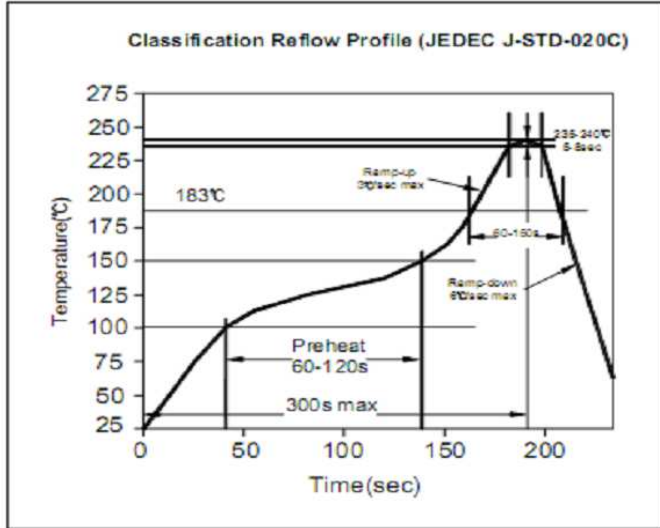
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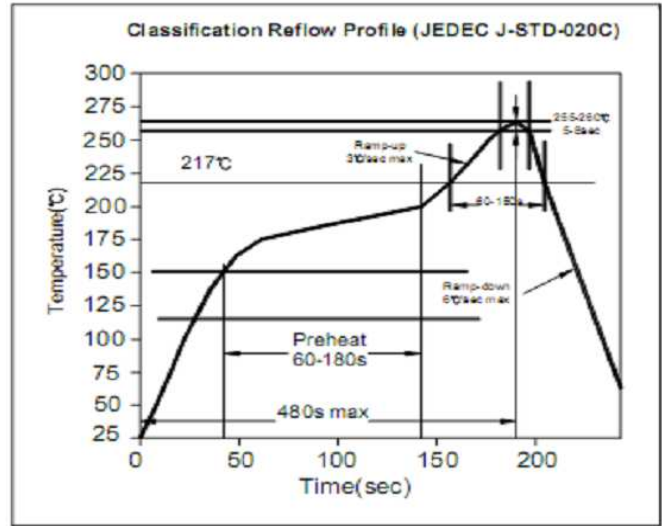


**Soldering Information**

**Lead Solder Performance**



**Lead free Solder Performance**



**Ordering Informations:**

Item-No. & Range	ROHS	Packing
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<b>R48003-160</b>	<b>R</b>	<b>BU</b>
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**160 =**  
1600mA

<b>R=</b> ROHS	<b>BU=</b> Bulk / Standard
<b>N=</b> Non ROHS	<b>TR=</b> Tape / Reel

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