



## R48003-010

### 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
100mA	0,18	0,15	0,13	0,1	0,08	0,070	0,060	0,050	0,03

### Approval:



**Radial POLY FUSE 60Volt**

Part No.: **R48003-010**

Customer:

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

Copyright by EDCON-COMPONENTS H.Schmitt 11.6.2009

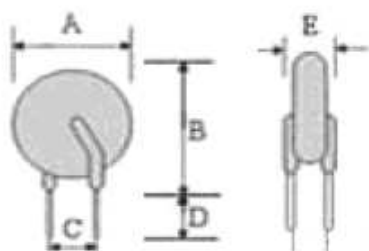


## Technical Drawing and Informations

### Dimensions

A (mm)		B (mm)		C (mm)		D (mm)		E (mm)	
Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
	7,40		11,60		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>100mA</b>	<b>0,10</b>	<b>0,2</b>	<b>60,0</b>	<b>40,0</b>	<b>0,38</b>	<b>0,5</b>	<b>4,0</b>	<b>2,50</b>	<b>4,50</b>

**Radial POLY FUSE 60Volt**

Part No.: **R48003-010**

Customer:

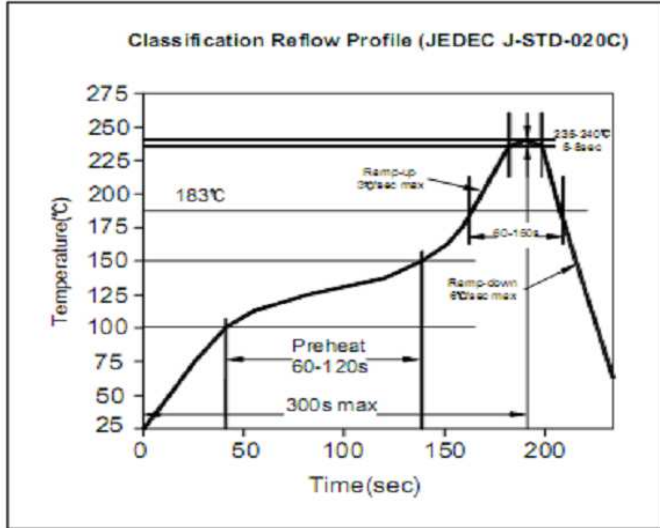
DRW:	Lexua	CHKD	Wilson	MATL:	ChuChu	DATE	06.04.2009
APPD:	Jimmy			FINISH	Josy	Sheet	2 from 3

Copyright by EDCON-COMPONENTS H.Schmitt 11.6.2009

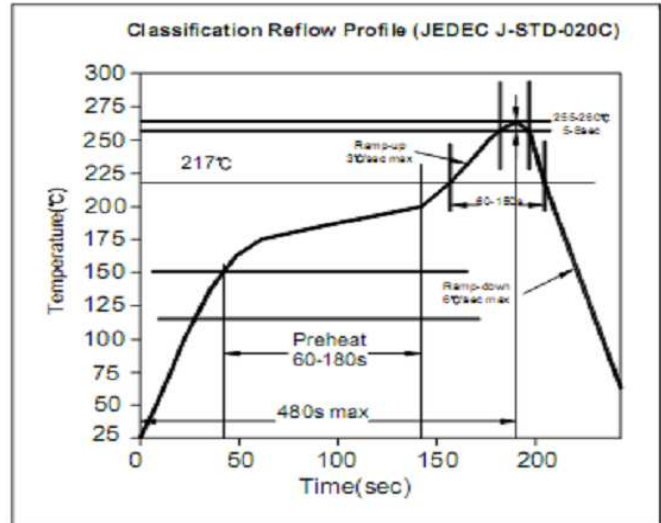


**Soldering Information**

**Lead Solder Performance**



**Lead free Solder Performance**



**Ordering Informations:**

Item-No. & Range	ROHS	Packing
------------------	------	---------

<b>R48003-010</b>	<b>R</b>	<b>BU</b>
-------------------	----------	-----------

**010** = 100mA

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

**Radial POLY FUSE 60Volt**

Part No.: **R48003-010**

Customer:

DRW:	Lexua	CHKD	Wilson	MATL:	ChuChu	DATE	06.04.2009
APPD:	Jimmi			FINISH	Josi	Sheet	3 from 3