



## R48002-050

### 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
500mA	0,77	0,69	0,58	0,5	0,41	0,38	0,36	0,33	0,27

### Approval:



**Radial POLY FUSE 30Volt**

Part No.: **R48002-050**

Customer:

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

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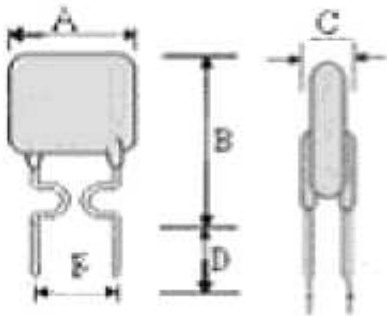


### Technical Drawing and Informations

#### Dimensions

A (mm)		B (mm)		C (mm)		D (mm)		E (mm)	
Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
	<b>7,40</b>		<b>11,00</b>		<b>3,00</b>		<b>7,60</b>		<b>4,30 5,80</b>

Type 1



#### 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>500mA</b>	<b>0,50</b>	<b>1,0</b>	<b>30,0</b>	<b>40,0</b>	<b>0,5</b>	<b>2,5</b>	<b>3,5</b>	<b>0,18</b>	<b>0,22</b>

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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>R48002-050</b>	<b>R</b>	<b>BU</b>
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**050** = 500mA

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

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