



## R47002-050

### Features:

Size 1206
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 20° C still air unless

**I<sub>T</sub>**: Trip current: minimum current that will switch the device from low resistance, Resistance in 20°C still unless otherwise specified.

**I<sub>max</sub>**. Maximum current device can VMAXIMAX 100 vcycles --- NO arcing or burning.

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

**P<sub>d</sub>**: power dissipated from device when in the tripped state in 20°C still air unless otherwise specified.

**R<sub>min</sub>**: Minimum resistance of device as supplied at 20°C unless otherwise specified.

**R<sub>1</sub> max.** Maximum device resistance in the nonstripped state 1 hour post reflow.

### Approval:



<b>SMT POLY FUSE</b>	<b>SIZE</b>
	<b>1206</b>

Part No.:	<b>R47002-050</b>
-----------	-------------------

Customer:

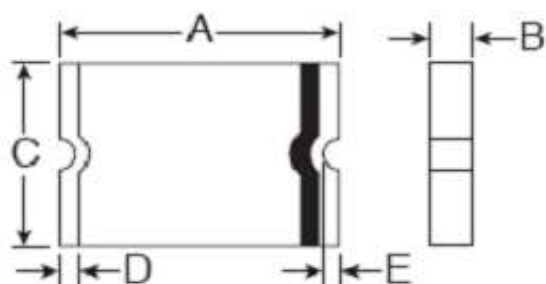
DRW:	Lexua	CHKD	Wilson	MATL:	ChuChu	DATE	06.04.2007
APPD:	Jimmy			FINISH	Josy	Sheet	1 from 3

Copyright by EDCON-COMPONENTS H.Schmitt 11.6.2009



## Technical Drawing and Informations

### Dimensions

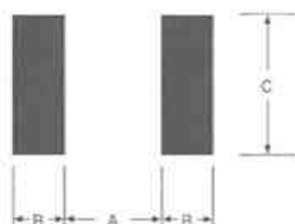


A (mm)		B (mm)		C (mm)		D (mm)		E (mm)	
Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
3,00	3,40	0,38	0,64	1,37	1,80	0,15		0,076	--

### Performance Rating:

Range	ICH	IT	V max	I max	Pd typ	Maximum Time to Trip		Resistance:		
	(A)	(A)	(V DC)	(A)	(W)	Current	Time	Rmin	Rmax	R1max
	(A)	(A)	(V DC)	(A)	(W)	(A)	(Sec.)	(Ω)	(Ω)	(Ω)
<b>500mA</b>	<b>0,500</b>	<b>1,00</b>	<b>13,2</b>	<b>100,0</b>	<b>0,8</b>	<b>8,0</b>	<b>0,10</b>	<b>0,20</b>		<b>0,80</b>

### PAD Layout



A (mm)	B (mm)	C (mm)
<b>2,00</b>	<b>1,00</b>	<b>1,60</b>

**SMT POLY FUSE SIZE 1206**

Part No.: **R47002-050**

Customer:

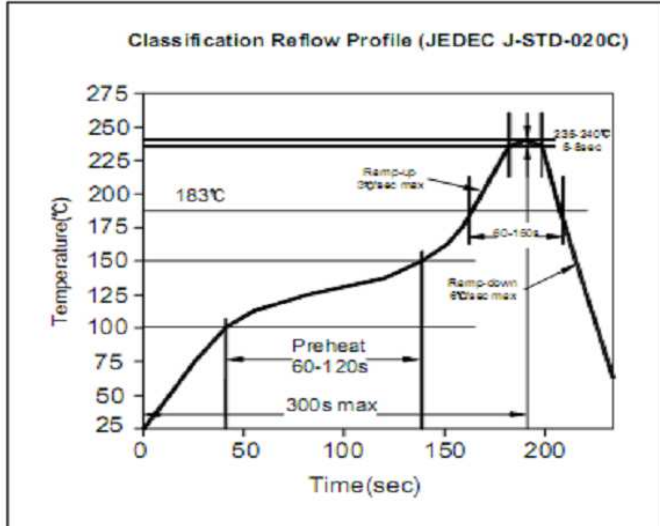
DRW:	Lexua	CHKD	Wilson	MATL:	ChuChu	DATE	06.04.2007
APPD:	Jimmy			FINISH	Josy	Sheet	2 from 3

Copyright by EDCON-COMPONENTS H.Schmitt 11.6.2009

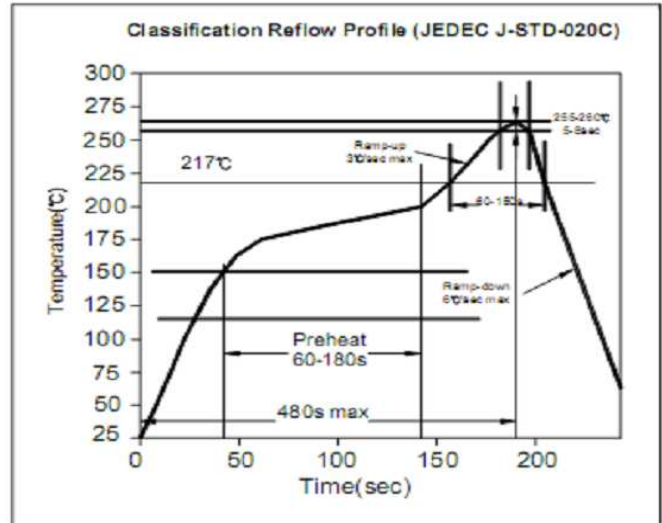


### Soldering Information

#### Lead Solder Performance



#### Lead free Solder Performance



### Ordering Informations:

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

<b>R47002-050</b>	<b>R</b>	<b>TR</b>
-------------------	----------	-----------

**050 = 500mA**

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

**SMT POLY FUSE SIZE 1206**

Part No.: **R47002-050**

Customer:

DRW:	Lexua	CHKD	Wilson	MATL:	ChuChu	DATE	06.04.2007
APPD:	Jimmi			FINISH	Josi	Sheet	3 from 3

Copyright by EDCON-COMPONENTS H.Schmitt 11.6.2009