



## R47002-012

### 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.

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

Range	Maximum ambient operating temperature ( °C)										
	-.40	-.20	0	20	25	40	50	60	70	80	85
120mA	0,20	0,17	0,15	0,13	0,12	0,11	0,10	0,09	0,08	0,07	0,07

### Approval:



**SMT POLY FUSE SIZE 1206**

Part No.: **R47002-012**

Customer:

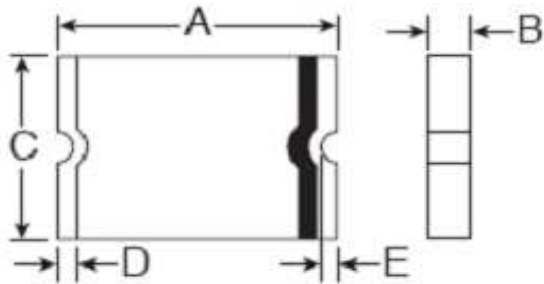
DRW:	Lexua	CHKD	Wilson	MATL:	ChuChu	DATE	06.04.2007
APPD:	Jimmy			FINISH	Josy	Sheet	1 from 3

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## Technical Drawing and Informations

### Dimensions

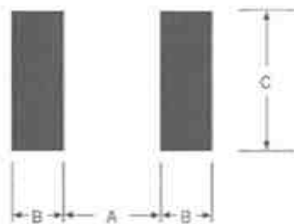


A (mm)		B (mm)		C (mm)		D (mm)		E (mm)	
Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
3,00	3,40	0,80	1,20	1,40	1,80	0,75	1,05	0,076	--

### Performance Rating:

Range	ICH	IT	V max	I max	Pd typ	Maximum Time to Trip		Resistance:		
	(A)	(A)	(V DC)	(A)	(W)	Current (A)	Time (Sec.)	Rmin (Ω)	Rmax (Ω)	R1max (Ω)
	<b>120mA</b>	<b>0,125</b>	<b>0,29</b>	<b>30,0</b>	<b>10,0</b>	<b>0,4</b>	<b>1,0</b>	<b>0,20</b>	<b>1,50</b>	

### PAD Layout



A (mm)	B (mm)	C (mm)
2,00	1,00	1,60

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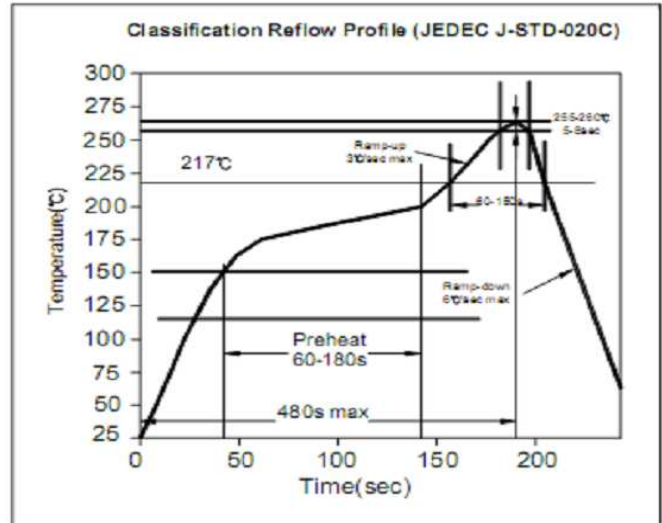


### Soldering Information

#### Lead Solder Performance



#### Lead free Solder Performance



### Ordering Informations:

Item-No. & Range	ROHS	Packing
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<b>R47002-012</b>	<b>R</b>	<b>TR</b>
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**012 = 120mA**

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

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