



R47002-005 -

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_H Hold current maximum current device will pass without interruption in 20° C still air unless

I_T: Trip current: minimum current that will switch the device from low resistance, Resistance in 20°C still unless otherwise specified.

I_{max}: Maximum current device can VMAXIMAX 100 vcycles --- NO arcing or burning.

V_{max}: Maximum Voltage device can withstand without damage at rated current.

P_d: power dissipated from device when in the tripped state in 20°C still air unless otherwise specified.

R_{min}: Minimum resistance of device as supplied at 20°C unless otherwise specified.

R₁ 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
50mA	0,08	0,07	0,06	0,05	0,05	0,04	0,04	0,03	0,03	0,02	0,015

Approval:



SMT POLY FUSE SIZE 1206

Part No.: **R47002-005 -**

Customer:

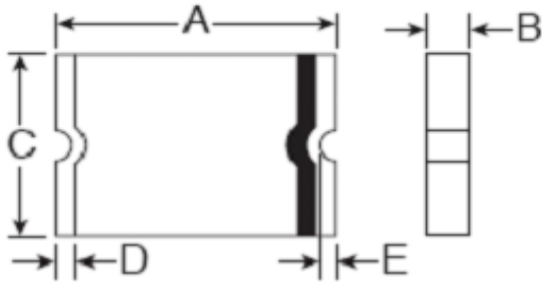
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Technical Drawing and Informations

Dimensions

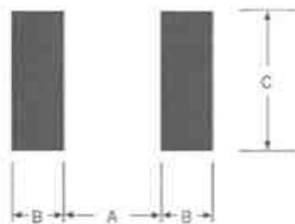


A (mm)		B (mm)		C (mm)		D (mm)		E (mm)	
Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
3,00	3,40	0,80	1,20	1,40	1,80	0,75	1,05	0,076	--

Performance Rating:

Range	ICH	IT	V _{max}	I _{max}	Pd _{typ}	Maximum Time to Trip		Resistance:		
	(A)	(A)	(V DC)	(A)	(W)	Current	Time	Rmin	Rmax	R1max
	(A)	(A)	(V DC)	(A)	(W)	(A)	(Sec.)	(Ω)	(Ω)	(Ω)
50mA	0,050	0,15	30,0	10,0	0,4	0,25	1,50	2,50		40,00

PAD Layout



A (mm)	B (mm)	C (mm)
2,50	0,25	1,60

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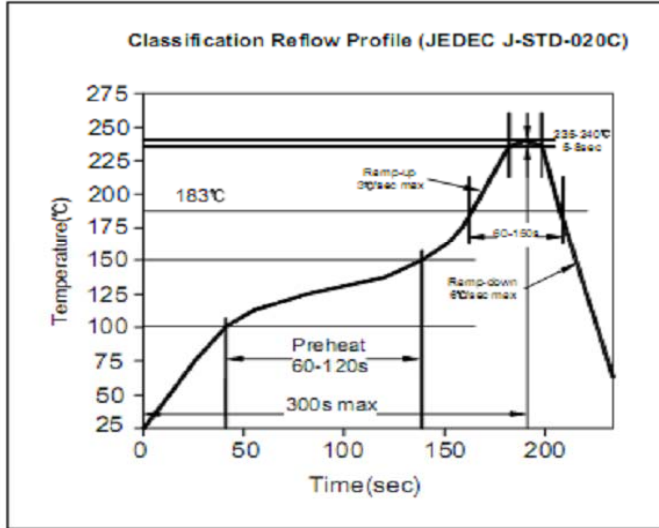
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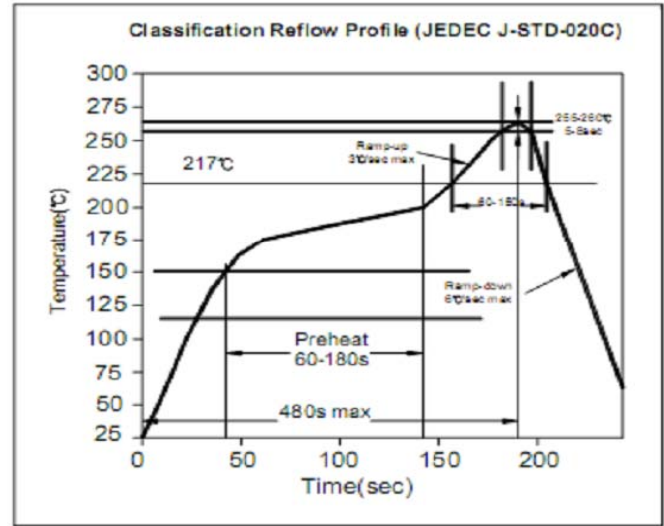


Soldering Information

Lead Solder Performance



Lead free Solder Performance



Ordering Informations:

Item-No. & Range	ROHS	Packing
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R47002-005 -	R	TR
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005 = 50mA

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

SMT POLY FUSE	SIZE
	1206
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