



R48002-185

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_h= Hold current maximum current device will pass without interruption in 25° C still air unless

I_T= Trip current: minimum current that will switch the device from low resistance, Resistance in 25°C still unless otherwise specified.

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

V_{max. Interrupt}= Maximum interrupt voltage device can withstand without damage at current

I_{max}= Maximum fault current device can withstand without damage at rated voltage.

Time-TO-TRIP= Maximum Time to trip (s) at assigned current.

P_{d typ}= Typical Power dissipation : typical amount of power dissipated by the device when in state air environment

R_{min}= Minimum device resistance at 25°C prior to tripping

R_{max}= Minimum device resistance at 25°C prior to tripping

R_{1max}= 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
1,85A	2,87	2,59	2,28	1,85	1,63	1,52	1,33	1,21	1,05

Approval:



Radial POLY FUSE 30Volt

Part No.: **R48002-185**

Customer:

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

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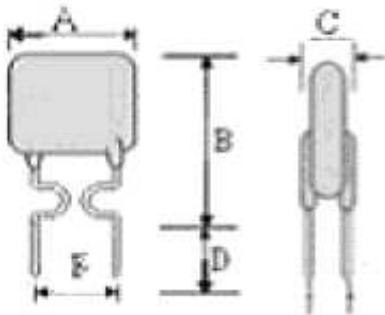


Technical Drawing and Informations

Dimensions

A (mm)		B (mm)		C (mm)		D (mm)		E (mm)	
Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
	10,20		15,70		3,00		7,60		4,30 5,80

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)
	1,85A	1,85	3,7	30,0	40,0	1,0	9,25	8,7	0,03	0,06

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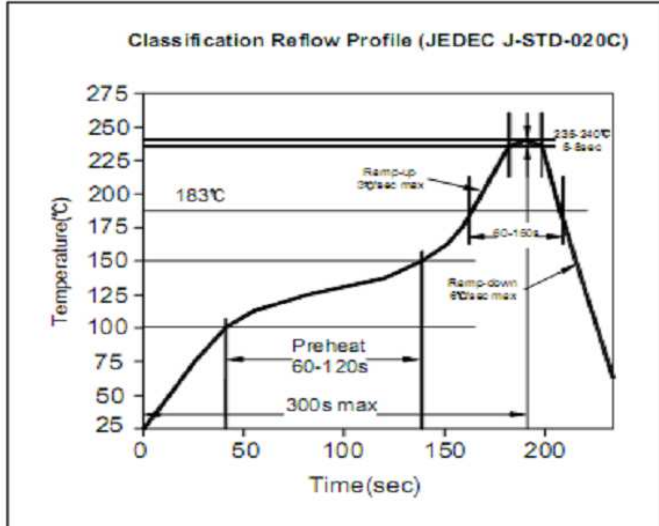
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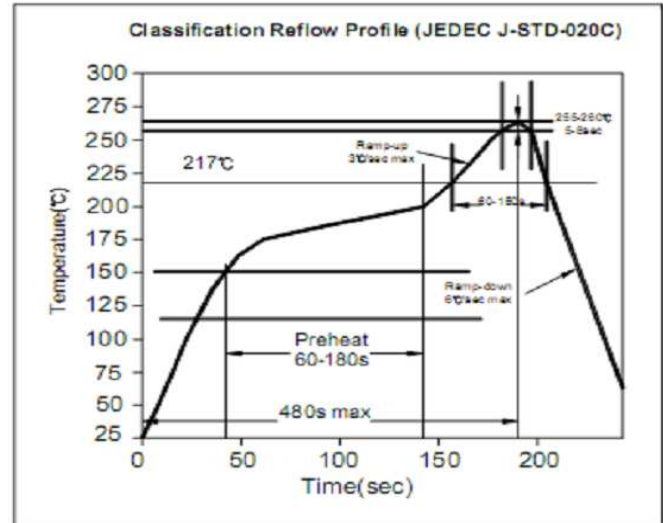


Soldering Information

Lead Solder Performance



Lead free Solder Performance



Ordering Informations:

Item-No. & Range	ROHS	Packing
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R48002-185	R	BU
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185 = 1,85A

R= ROHS

BU= Bulk / Standard

N= Non ROHS

TR= Tape / Reel

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