

# EDCON-COMPONENTS



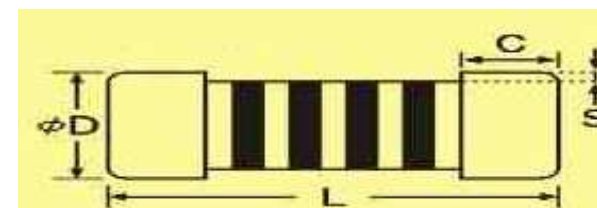
## Characteristics

Item	Characteristics	Test Method
Temperature Coefficient	. +/- 100ppm/°C	. +25°C ~ +125°C
Short Time overload	. +/- 1%	Rating Voltage x 10 for 5 sec.
Solderability	90% Coverage Min.	235°C +/- 5sec, 2sec +/- 0,5 sec
Resistance to Soldering heat	. +/- 2%	260°C +/- 5sec, 5sec +/- 1 sec
Load Life Humidity	. +/- 5%	40°C +/- 2°C, 90%~95% R, 1000h, 1,5h "on" / 0,5h "off" cycle
Load Life	. +/- 5%	70°C +/- 2°C, 1000h, 1,5h "on" / 0,5h "off" cycle
Bending test	. +/- 1%	Holding point width 90mm, Bending 5mm, 1 time
Non-Combustibility	No evidence of flaming	The resistor shall withstand Overload test in accordance with Article UL-94, V-0 without producing a fire hazard.

## Technical Informations

Serie	Size	Dimensions (mm)				
		L	C	D	E	S
X23013	0309	9,5 / +/-0,3	2,2 / +/-0,3	3,6 / +/-0,3	4,80	0,40

## Technical Drawing Case



## Packing Informations

Serie	Size	Tape/Reel	Bulk	Carton
X23013	0309	2000PCS	-----	-----

**Wire Wound Melf Resistor  
Size 0309**

Part No.: **X23013**

Customer:

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.04.2009
APPD:	Schumi			FINISH	Jamy		Sheet No.		1 from 4

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## Range Specification Value

Serie	Size	Ordering Code Power	Power Rating	T.C.R	Tolerance			Operating Temp. Range		
					1%	2%	5%			
X23013	0309	D	1,0W	4= +/- 100ppm	5R ~ 82R	5R ~ 82R	5R ~ 82R	. -55°C ~ + 200°C		

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## Ordering Informations

Serie	Range Code	Ordering Power Code	T.C.R Code	Tolerance Code	ROHS	Packing Code				
<b>X23013</b>	<b>820</b>	<b>D</b>	<b>4</b>	<b>J</b>	<b>R</b>	<b>TR20</b>				

<b>820</b> = 82 Ohm Resistance Range look table	<b>D</b> = 1,0W	<b>4</b> = 100ppm	<b>F</b> = Tol. +/- 1%	<b>R</b> = ROHS Conform	<b>TR20</b> = Tape Reel 2000PCS  <b>BU05</b> = Bulk Ware 500PCS
			<b>G</b> = Tol. +/- 2%	<b>N</b> = NON ROHS	
			<b>J</b> = Tol. +/- 5%		

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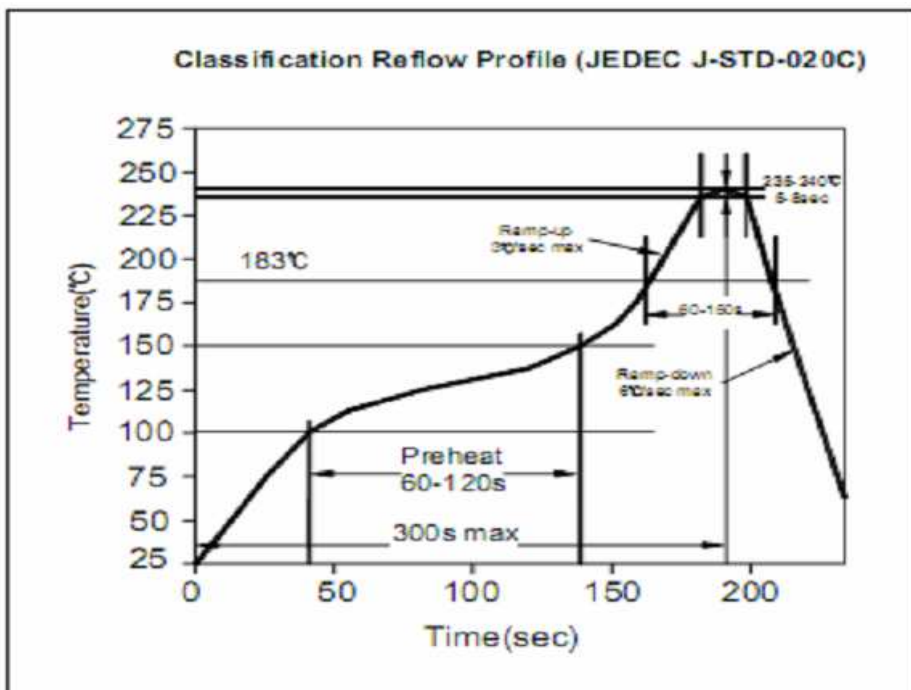
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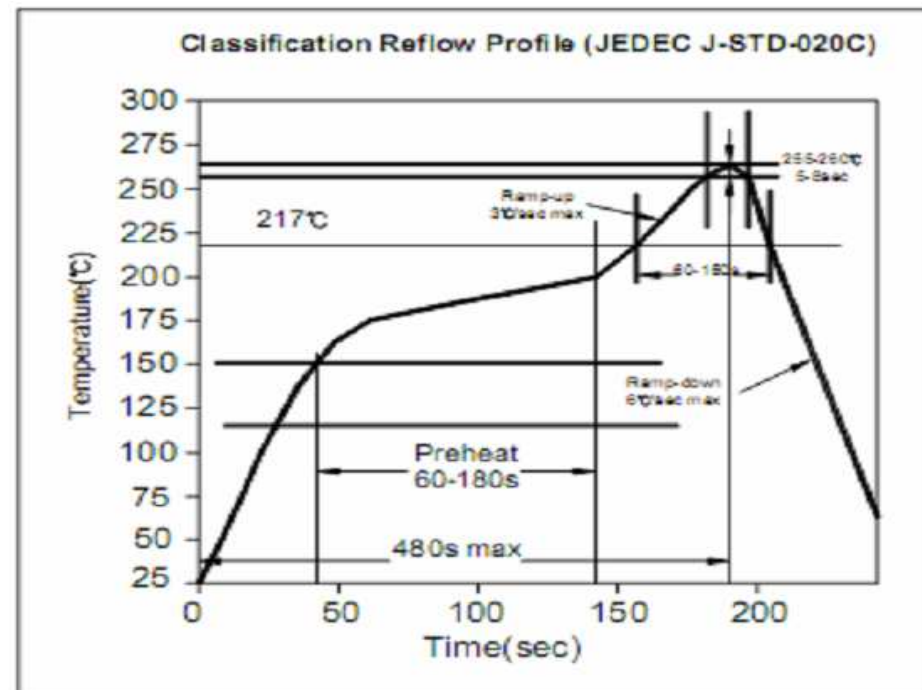


## Soldering Profile Curve

### Soldering Profile for Lead Soldering



### Soldering Profile for Lead Free Soldering



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