

# EDCON-COMPONENTS



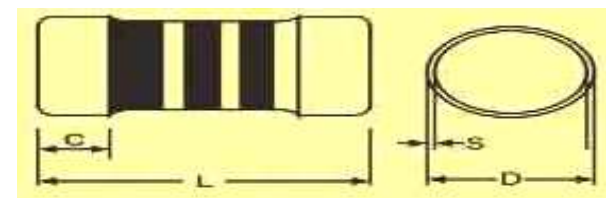
## Characteristics

Item	Characteristics	Test Method
Operating Temp. Range	. -55°C ~ 155°C	
Temperature Coefficient	look table page 2	JIS-C 5202; 5,2
Short Time overload	. +/- 1%	Rating Voltage x 2.5 or Max. Overload voltage for 5 sec. Whichever less
Pulse Overload	. +/- 2%	Rating Voltage x 4 or Max. pulse overload voltage for 10.000 cycle (1sec. "on 25 sec "off". Whichever less
Temperature cycling	. +/- 1%	.-55°C (30min) / +85°C (30min) for 5 cycle
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
Resistance to Soldering heat	. +/- 2%	260°C +/- 5sec, 5sec +/- 1 sec
Solderability	90% Coverage Min.	235°C +/- 5sec, 2sec +/- 0,5 sec
Bending test	. +/- 1%	Holding point width 90mm, Bending 5mm, 1 time
High Temperature exposure	. +/- 2%	155°C +/- 5°C, 2 hours
Non-Combustibility	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)			S	
		L	D	C	Max	Min
X23006	0204	3,5 / +/-0,2	1,45 / +/-0,1	0,6 / +/-0,1	1,40	1,20

## Technical Drawing Case



## Packing Informations

Serie	Size	Tape/Reel	Bulk	Carton
X23006	0204	3000PCS	-----	-----

**Carbonfilm Melf Resistor  
Size 0204**

Part No.: **X23006**

Customer:

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

# EDCON-COMPONENTS



## Range Specification Value

Serie	Size	Ordering Code Power	Power Rating	Max Working Voltage	Max Overload Voltage	T.C.R.				Resistance Range	
						5= +350 ~ -450	6= 0 ~ 700	7= 0 ~ 1000	8= 0 ~ 1300	. +/- 2%	. +/- 5%
X23006	0204	A	0,125W	200V	400V	1,0 ~ 47K	51K ~ 220K	240K ~ 470K	510K ~ 1,0M	2,2R ~ 1,0M	2,2R ~ 1,0M
		B	0,25W	250V	500V	1,0 ~ 47K	51K ~ 220K	240K ~ 470K	510K ~ 1,0M	2,2R ~ 1,0M	2,2R ~ 1,0M

**Carbonfilm Melf Resistor  
Size 0204**

Part No.: **X23006**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.04.2009	Customer:
APPD:	Schumi			FINISH	Jamy		Sheet No.	2 from 4		

[www.edcon-components.com](http://www.edcon-components.com)

email: [info@edcon-components.com](mailto:info@edcon-components.com)

# EDCON-COMPONENTS



## Ordering Informations

Serie	Range Code	Ordering Power Code	T.C.R Code	Tolerance Code	ROHS	Packing Code				
<b>X23006</b>	<b>104</b>	<b>A</b>	<b>1</b>	<b>J</b>	<b>R</b>	<b>TR30</b>				

<b>104=</b> 100K Resistance Range look table	<b>A=</b> 0,125W	<b>1 =</b> +350 ~ -450 by Size 0204 1.0Ω ~ 47KΩ or Size 0207 1.0Ω ~ 100KΩ	<b>G=</b> Tol. +/- 2%  <b>J=</b> Tol. +/- 5%	<b>R=</b> ROHS Conform  <b>N=</b> NON ROHS	<b>TR30=</b> Tape Reel 3000PCS  <b>BU05=</b> Bulk Ware 500PCS
	<b>B=</b> 0,25W	<b>2 =</b> 0~ -700 by Size 0204 51kΩ ~ 220kΩ or Size 0207 110KΩ ~ 330KΩ			
		<b>3 =</b> 0 ~ -1000 by Size 0204 240KΩ ~ 470KΩ or Size 0207 360KΩ ~ 1.0MΩ			
		<b>4 =</b> 0 ~ -1300 by Size 0204 510KΩ ~ 1.0MΩ or Size 0207 1.1MΩ ~ 2.2MΩ			

**Carbonfilm Melf Resistor  
Size 0204**

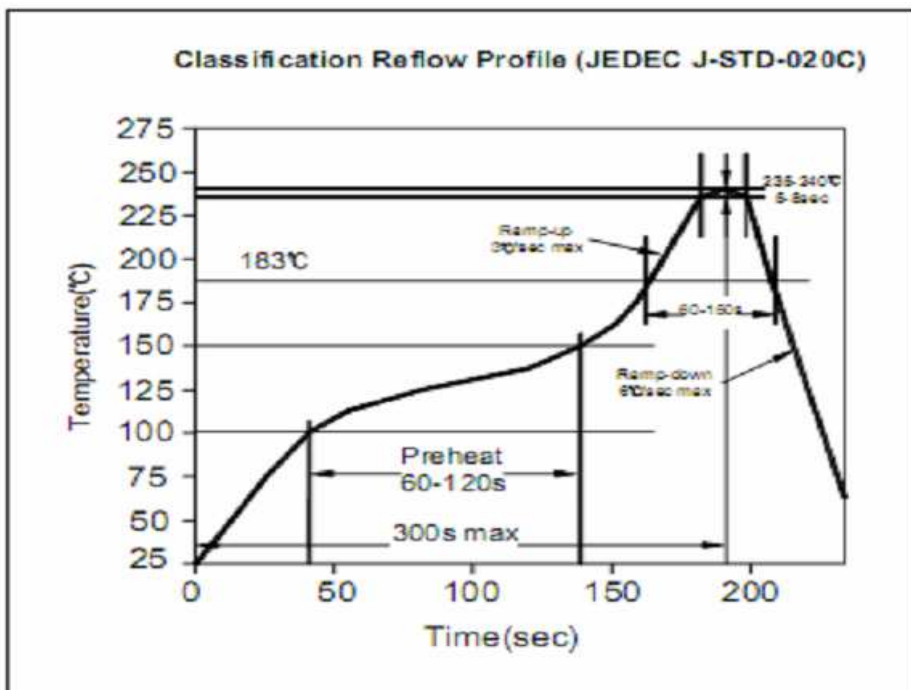
Part No.: **X23006**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.04.2009	Customer:
APPD:	Schumi			FINISH	Jamy		Sheet No.	3 from 4		

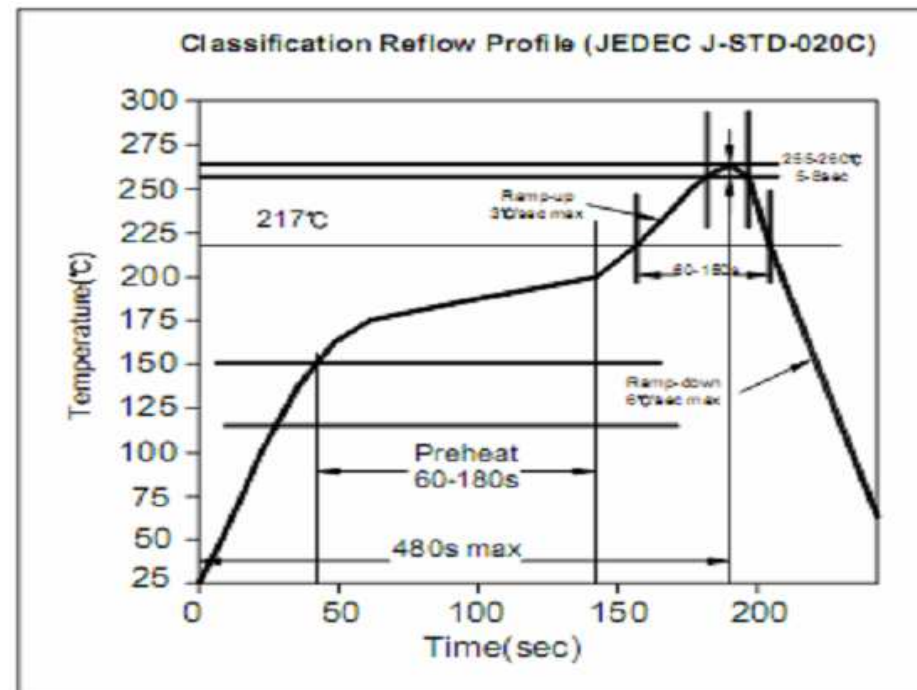


## Soldering Profile Curve

### Soldering Profile for Lead Soldering



### Soldering Profile for Lead Free Soldering



**Carbonfilm Melf Resistor  
Size 0204**

Part No.: **X23006**

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