

# EDCON-COMPONENTS



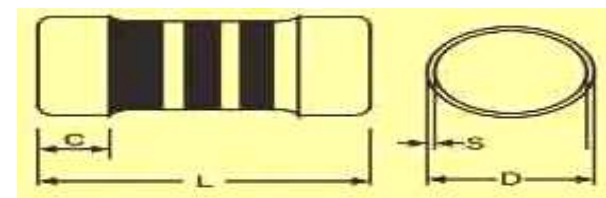
## Characteristics

Item	Characteristics	Test Method
Operating Temp. Range	. -55°C ~ 155°C	
Temperature Coefficient	. +/- 100ppm 50ppm, 25ppm, 15ppm/°C	JIS-C 5202; 5,2
Short Time overload	. +/- (0,5% + 0,05 Ohm)	Rating Voltage x 2.5 or Max. Overload voltage for 5 sec. Whichever less
Pulse Overload	. +/- (0,5% + 0,05 Ohm)	Rating Voltage x 3 or Max. pulse overload voltage for 10.000 cycle (1sec. "on 25 sec "off". Whichever less
Temperature cycling	. +/- (0,5% + 0,05Ohm)	. -55°C (30min) / +85°C (30min) for 5 cycle
Load Life Humidity	. +/- (1% + 0,05 Ohm)	40°C +/- 2°C, 90%~95% R, 1000h, 1,5h "on" / 0,5h "off" cycle
Load Life	. +/- (1% + 0,05 Ohm)	70°C +/- 2°C, 1000h, 1,5h "on" / 0,5h "off" cycle
Resistance to Soldering heat	. +/- (0,5% + 0,05 Ohm)	260°C +/- 5sec, 5sec +/- 1 sec
Solderability	90% Coverage Min.	235°C +/- 5sec, 2sec +/- 0,5 sec
Bending test	. +/- (0,5% + 0,05 Ohm)	Holding point width 90mm, Bending 5mm, 1 time
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
X23001	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
X23001	0204	3000PCS	-----	-----

### Metalfilm Melf Resistor Size 0204

Part No.: **X23001**

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	Max Working Voltage	Max Overload Voltage	T.C.R.	Resistance Range				
							. +/- 0,1%	. +/- 0,25%	. +/- 0,5%	. +/- 1%	. +/- 5%
X23001	0204	A	0,125W	150V	300V	. +/- 15ppm . +/- 25ppm . +/-	100R ~ 56K	100R ~ 56K	100R ~ 100K	1,0R ~ 1,0M	0,22R ~ 2,0M
		B	0,25Ws	200V	400V	50ppm . +/- 100ppm	100R ~ 56K	100R ~ 56K	100R ~ 100K	1,0R ~ 1,0M	0,22R ~ 2,0M

**Metallfilm Melf Resistor  
Size 0204**

Part No.: **X23001**

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

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## Ordering Informations

Serie	Range Code	Ordering Power Code	T.C.R Code	Tolerance Code	ROHS	Packing Code				
<b>X23001</b>	<b>104</b>	<b>A</b>	<b>1</b>	<b>A</b>	<b>R</b>	<b>TR30</b>				

<b>104=</b> 100K Resistance Range look table	<b>A=</b> 0,125W	<b>1=</b> +/- 15ppm	<b>A=</b> Tol. +/- 0,1%	<b>R=</b> ROHS Conform	<b>TR30=</b> Tape Reel 3000PCS  <b>BU05=</b> Bulk Ware 500PCS
	<b>B=</b> 0,25W	<b>2=</b> +/- 25ppm	<b>B=</b> Tol. +/- 0,25%	<b>N=</b> NON ROHS	
		<b>3=</b> +/- 50ppm	<b>C=</b> Tol. +/- 0,5%		
		<b>4=</b> +/- 100ppm	<b>F=</b> Tol. +/- 1%		
			<b>J=</b> Tol. +/- 5%		

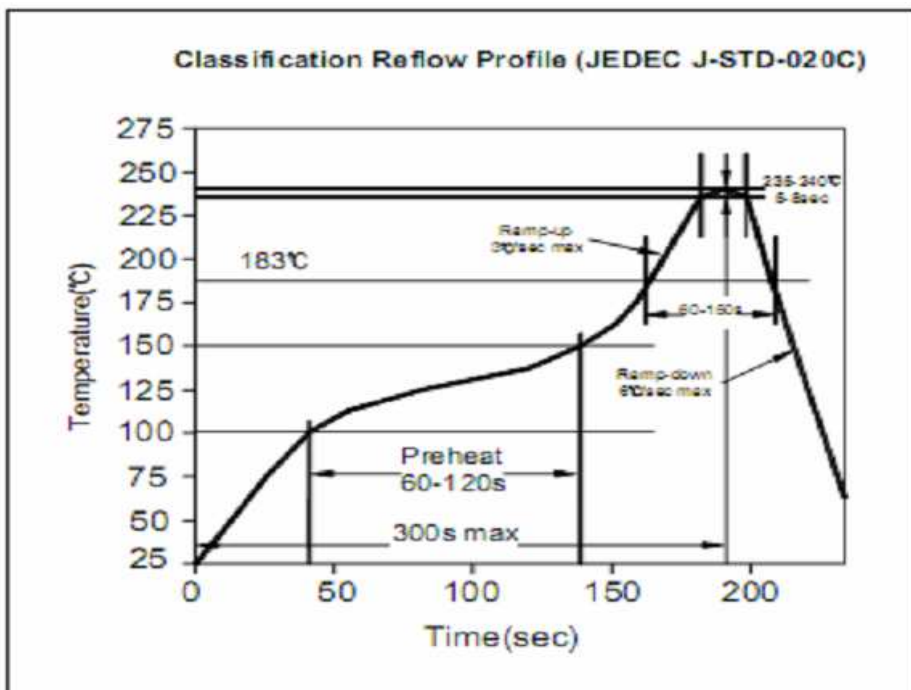
<b>Metalfilm Melf Resistor Size 0204</b>	
Part No.:	<b>X23001</b>
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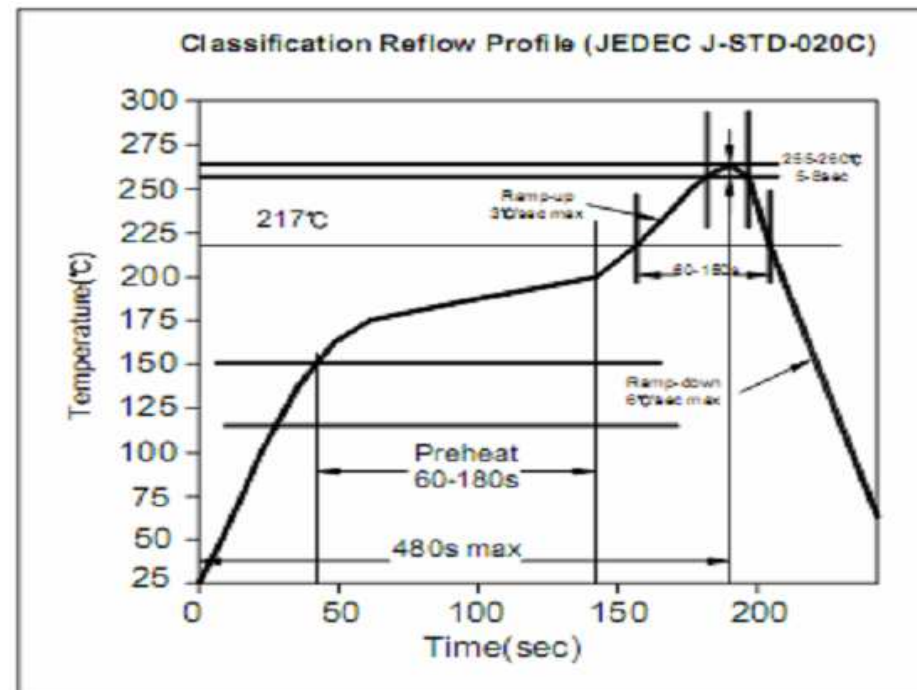


## Soldering Profile Curve

### Soldering Profile for Lead Soldering



### Soldering Profile for Lead Free Soldering



**Metallfilm Melf Resistor  
Size 0204**

Part No.: **X23001**

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