

EDCON-COMPONENTS



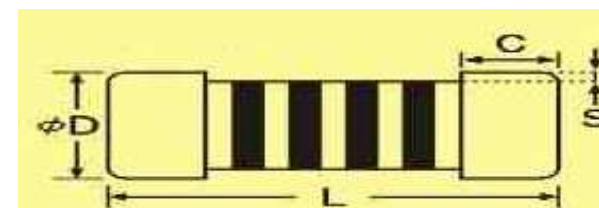
Characteristics

| Item | Characteristics | Test Method |
|------------------------------|---|---|
| Operating Temp. Range | . -55°C ~ 155°C | |
| Temperature Coefficient | . +/- 200ppm/°C | JIS-C 5202; 5,2 |
| Short Time overload | . +/- 2% | Rating Voltage x 2.5 or Max. Overload voltage for 5 sec. Whichever less |
| Resistance to Soldering heat | . +/- 2% | 260°C +/- 5sec, 5sec +/- 1 sec |
| Insulation Resistance | Over 10 ³ M Ohm | JIS-C 5202; 5.6 A |
| 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 |
| Solderability | 90% Coverage Min. | 235°C +/- 5sec, 2sec +/- 0,5 sec |
| Bending test | . +/- 1% | 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 |
| X23033 | 0411 | 11,2 / +/-0,3 | 4,7 / +/-0,3 | 2,6 / +/-0,2 | 0,5 | +/- 0,1 |

Technical Drawing Case



Packing Informations

| Serie | Size | Tape/Reel | Bulk | Carton |
|--------|------|-----------|-------|--------|
| X23033 | 0411 | 1500PCS | ----- | ----- |

Fusible Melf Resistor Size 0411

Part No.: **X23033**

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

Following is the fusing times of power rating. If continuing 60sec., tested then within 30 minutes under regular temp. Without power burden that rest resistance is 100 times up more than beginning resistance but the voltage must be automatic adjustment.

| Size | Power | Power Code | Fusing Times | | | | | Fusing Time |
|---------|-------|------------|--------------|------------|------------|------------|----------|----------------|
| | | | X40 | X30 | X25 | X20 | X16 | |
| #BEZUG! | 1,0W | D | | | | | | within 60 Sec. |
| | 2,0W | E | | 0,1 ~ 0,18 | 0,2 ~ 0,43 | 0,47 ~ 2,0 | 2,2 ~ 5K | |

1. The Fusing Time and Fusing Times Set can be complied with buyers request in advance.
2. This Fusing characteristics are in constant voltage circuit.

3. Fusing voltage: $\sqrt{\text{Power Rating} \times \text{Resistance} \times \text{Fusing Multiplier}}$

| | |
|-----------------------------------|---------------|
| Fusible Melf Resistor Size | |
| 0411 | |
| Part No.: | X23033 |
| Customer: | |

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

EDCON-COMPONENTS



Ordering Informations

| Serie | Range Code | Ordering Power Code | T.C.R Code | Tolerance Code | ROHS | Packing Code | | | | |
|---------------|------------|---------------------|------------|----------------|----------|--------------|--|--|--|--|
| X23033 | 1R0 | D | 1 | J | R | TR15 | | | | |

| | | | | | |
|---|----------------|----------------------|-----------------------|---------------------------|---|
| 1R0= 1,0R Resistance Range look table | D= 1,0W | 1= +/- 200ppm | J= Tol. +/- 5% | R= ROHS Conform | TR15= Tape Reel 1500PCS BU05= Bulk Ware 500PCS |
| | E= 2,0W | | | N= NON ROHS | |

**Fusible Melf Resistor Size
0411**

Part No.: **X23033**

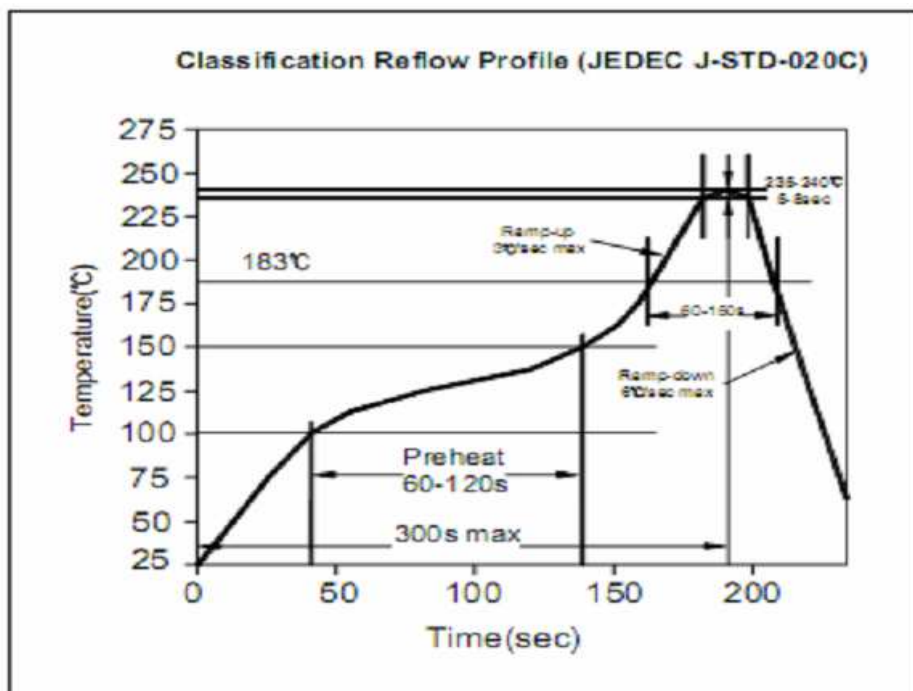
| | | | | | | | | | | |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|-----------|
| DRW: | Jason | CHKD | Wilson | MATL: | Wilson | TOLERANCE | Mason | DATE | 10.04.2009 | Customer: |
| APPD: | Schumi | | | FINISH | Jamy | | Sheet No. | 3 from 4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

EDCON-COMPONENTS

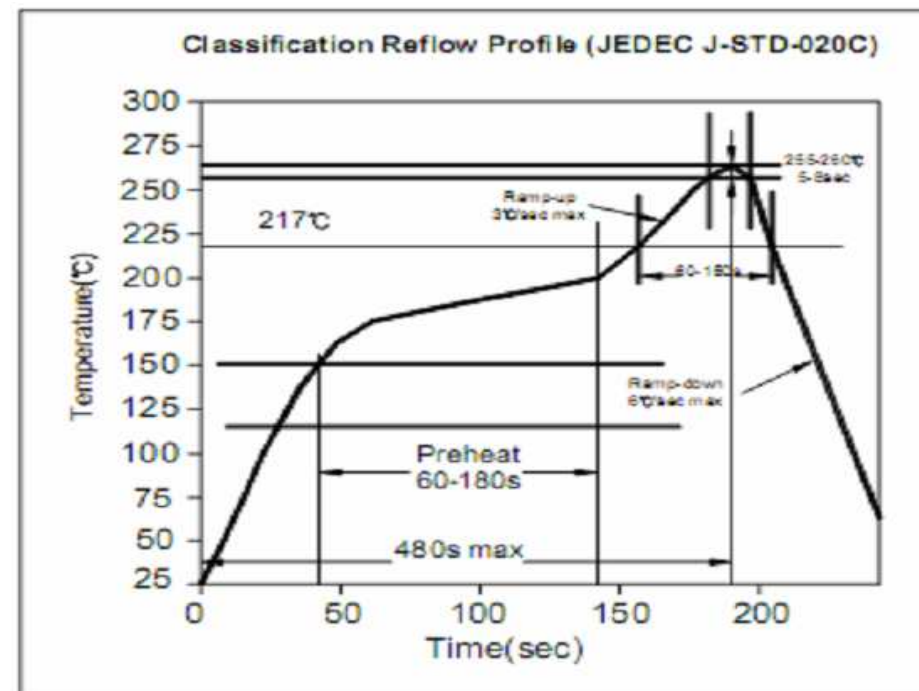


Soldering Profile Curve

Soldering Profile for Lead Soldering



Soldering Profile for Lead Free Soldering



**Fusible Melf Resistor Size
0411**

Part No.: **X23033**

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

www.edcon-components.com

email: info@edcon-components.com