

EDCON-COMPONENTS



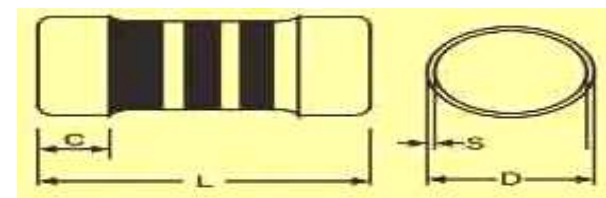
Characteristics

| 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 |
| X23007 | 0207 | 5,7 / +/-0,2 | 2,2 / +/-0,1 | 0,8 / +/-0,1 | 2,30 | 2,00 |

Technical Drawing Case



Packing Informations

| Serie | Size | Tape/Reel | Bulk | Carton |
|--------|------|-----------|-------|--------|
| X23007 | 0207 | 2000PCS | ----- | ----- |

**Carbonfilm Melf Resistor
Size 0207**

Part No.: **X23007**

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 | |
|--------|------|------------------------|--------------|------------------------|-------------------------|----------------|-------------|-------------|-------------|------------------|-------------|
| | | | | | | 5= +350 ~ -450 | 6= 0 ~ 700 | 7= 0 ~ 1000 | 8= 0 ~ 1300 | . +/- 2% | . +/- 5% |
| X23007 | 0207 | B | 0,25W | 250V | 400V | 1,0 ~ 100K | 110K ~ 330K | 360K ~ 1,0M | 1,0M ~ 2,2M | 1,0R ~ 2,2M | 2,2R ~ 1,0M |
| | | C | 0,5W | 300V | 500V | 1,0 ~ 100K | 110K ~ 330K | 360K ~ 1,0M | 1,0M ~ 2,2M | 1,0R ~ 2,2M | 2,2R ~ 1,0M |
| | | D | 1,0W | 400V | 500V | 1,0 ~ 100K | 110K ~ 330K | 360K ~ 1,0M | 1,0M ~ 2,2M | 1,0R ~ 2,2M | 2,2R ~ 1,0M |

**Carbonfilm Melf Resistor
Size 0207**

Part No.: **X23007**

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Ordering Informations

| Serie | Range Code | Ordering Power Code | T.C.R Code | Tolerance Code | ROHS | Packing Code | | | | |
|---------------|------------|---------------------|------------|----------------|----------|--------------|--|--|--|--|
| X23007 | 104 | C | 1 | J | R | TR20 | | | | |

| | | | | | |
|---|-----------------|--|-----------------------|------------------------|---|
| 104= 100K Resistance Range look table | B= 0,25W | 1 = +350 ~ -450 by Size 0204 1.0Ω ~ 47KΩ or Size 0207 1.0Ω ~ 100KΩ 2 = 0~ -700 by Size 0204 51kΩ ~ 220kΩ or Size 0207 110KΩ ~ 330KΩ 3 = 0 ~ -1000 by Size 0204 240KΩ ~ 470KΩ or Size 0207 360KΩ ~ 1.0MΩ 4 = 0 ~ -1300 by Size 0204 510KΩ ~ 1.0MΩ or Size 0207 1.1MΩ ~ 2.2MΩ | G= Tol. +/- 2% | R= ROHS Conform | TR20= Tape Reel 2000PCS BU05= Bulk Ware 500PCS |
| | C= 0,5W | | J= Tol. +/- 5% | N= NON ROHS | |
| | D= 1,0W | | | | |

**Carbonfilm Melf Resistor
Size 0207**

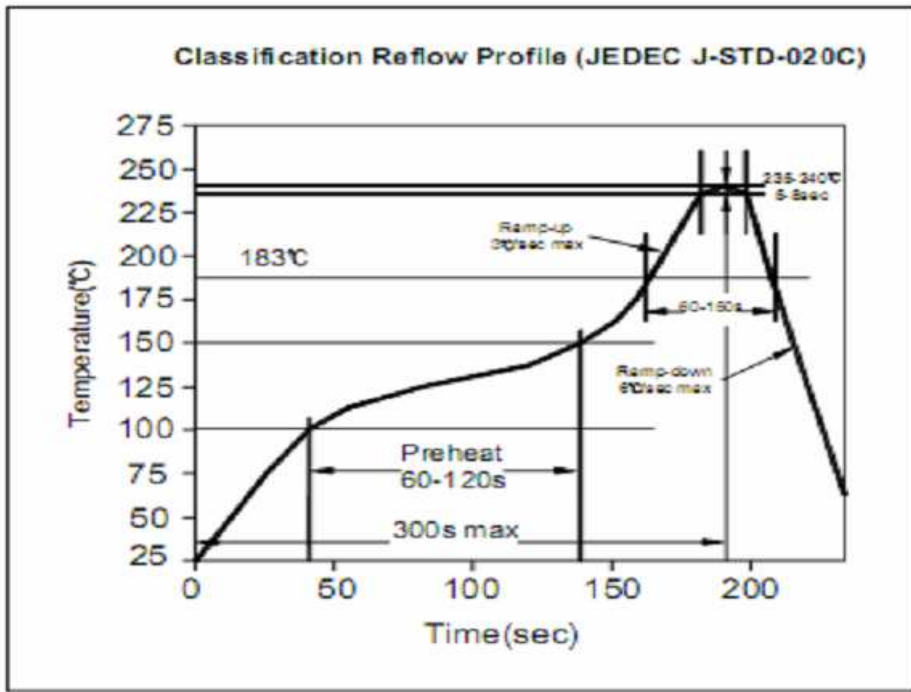
Part No.: **X23007**

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| DRW: | Jason | CHKD | Wilson | MATL: | Wilson | TOLERANCE | Mason | DATE | 10.04.2009 | Customer: |
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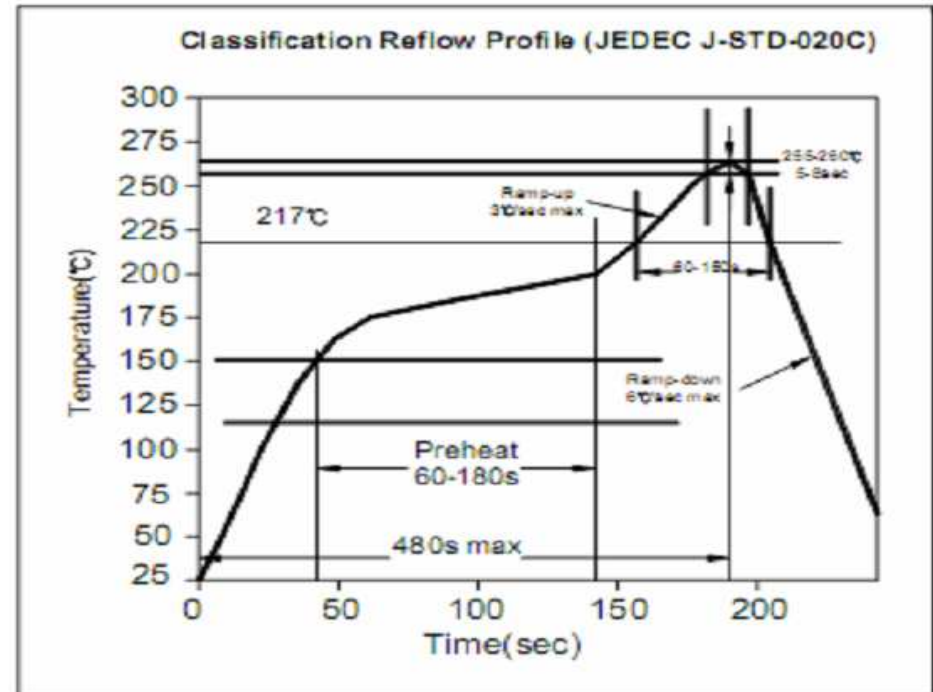


Soldering Profile Curve

Soldering Profile for Lead Soldering



Soldering Profile for Lead Free Soldering



**Carbonfilm Melf Resistor
Size 0207**

Part No.: **X23007**

| | | | | | | | | | |
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