



DATA SHEET

Double sided metallized polypropylene film capacitor Box

Serie: I42003

Code / Range **153= 0,015 μ f**

Code / Volt **631= 630VDC**

Width **17,5 mm**

Height **11,0 mm**

Thickness **5,0 mm**

Pitch **15,0 mm**

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polypropylene film capacitor
Box**

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| | | | | | | | | | | |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|-----------|
| DRW: | Jason | CHKD | Wilson | MATL: | Wilson | TOLERANCE | Mason | DATE | 26.05.2011 | Customer: |
| APPD: | Schumi | | | FINISH | Jamy | | Sheet No. | 1 from 4 | | |

EDCON-COMPONENTS



Features

- Doublesided metallized polypropylen structure
- Low loss and small inherent temperature rise
- Negative temperature coefficient of capacitance
- Excellent active and passive flame resistance circuit

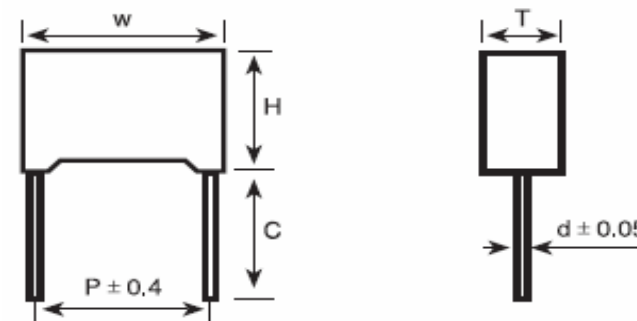
Applications

- widely used in high voltage, high frequency and pulse circuit
- Deflection circuits in TV-sets (S-correction and fly back tuning) and monitors
- Lamp capacitor for electronic ballast and compact lamps
- SNUBBER and SCR commutating circuits

Specifications

| | | |
|-----------------------------------|--|--------------------|
| Reference Standard | GB/T 10190 (IEC 60384-16) | |
| Climatic Category | 40/105/56 | |
| Rated Temperature | . +85°C for $V_R(dc)$; 75°C for $V_R(ac)$ | |
| Operating Temperature Range | . -40°C ~ +105°C (+85°C to +105°C ; decreasing factor 1,25% per °C for $V_R(dc)$ (+75°C to +105°C: decreasing factor 1,35% per °C for $V_R(ac)$) | |
| Rated Voltage | 250V, 400V, 630V, 1000V, 1600V, 2000V | |
| Capacitance Range | 0,00022 ~ 3,9 μ F | |
| Voltage Proof (Between Terminals) | 1.60 U_R (5s) | |
| Capacitance Tolerance | G=2%, H=3%, J=5% , K=10%, M=20% | |
| Dissipation Factor | \leq 0,0010 (1kHz, 20°C) | |
| Insulation Resistance | \geq 50000M Ω $C_R \leq$ 0,33 μ F | (20°C, 100V, 1min) |
| | \geq 15000s $C_R >$ 0,33 μ F | |

Dimensions



Case Dimension table

| Case Code | W \pm 0,4 (mm) | H \pm 0,4 (mm) | T \pm 0,4 (mm) | P (mm) |
|------------------|------------------|------------------|------------------|--------|
| A | 17,5 | 11,0 | 5,0 | 15,0 |
| C \pm 0,5 (mm) | | | | |

Standard Length 18~26mm (Size by Size)

Short Lead 4,5mm

d \pm 0,05 (mm)

d = 0,8mm

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Customer:

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Ordering Informations

| Serie | Range | Tolerance | Voltage | Case Code | Pitch Code | Lead Style | Lead Length (C) | ROHS | Packing Code | |
|-------|-------|-----------|---------|-----------|------------|------------|-----------------|------|--------------|--|
|-------|-------|-----------|---------|-----------|------------|------------|-----------------|------|--------------|--|

| | | | | | | | | | | |
|---------------|---|------------|----------|------------|----------|----------|----------|-----------|----------|-----------|
| I42003 | - | 153 | M | 631 | A | 6 | N | LL | R | BU |
|---------------|---|------------|----------|------------|----------|----------|----------|-----------|----------|-----------|

| | | | | | | | | |
|----------------------|-------------------------|---------------------|--------------------------------|-------------------|------------------------|----------------------------------|-----------------------------|--------------------------------|
| 153 = 0,015µf | M = 20% Standard | 631 = 630VDC | A = look Case Dimension | 6 = 15,0mm | N = No function | LL = Long Lead (Standard) | R = ROHS Conform | BU = Bulk Ware |
| | K = 10% | | | | | 45 = Lead Length 4,5mm | N = NON ROHS Conform | TB = Tape Box |
| | J = 5% | | | | | | | IV = Individual Package |
| | H = 3% | | | | | | | |
| | G = 2% | | | | | | | |

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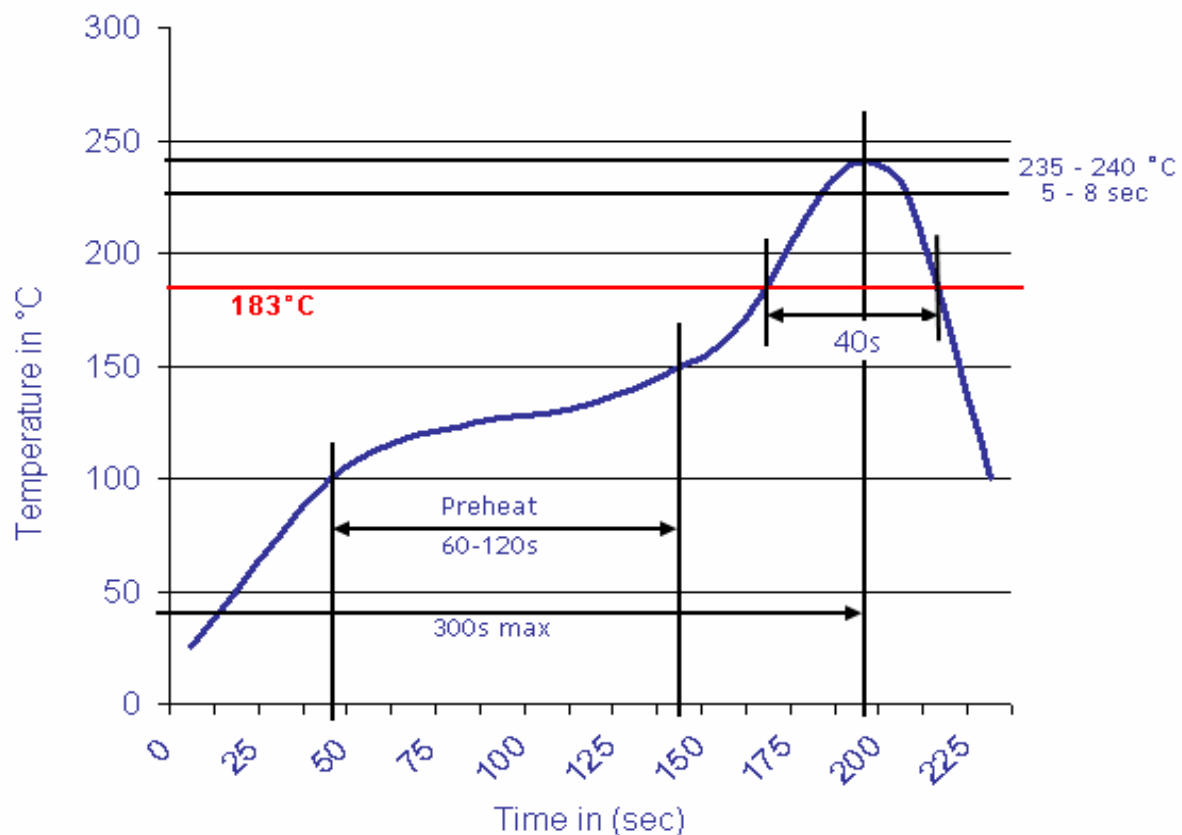
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Soldering Profile Curve

Classification Reflow Profile (JEDEC J-STD-020C)



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