



# DATA SHEET

**Double sided metallized polypropylene film capacitor Box**

**Serie: I42003**

Code / Range **182= 0,0018µf**

Code / Volt **631= 630VDC**

Width **10,5 mm**

Height **9,0 mm**

Thickness **4,0 mm**

Pitch **7,5 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<br>(+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 $\mu$ 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             | $\geq 50000M\Omega$ $C_R \leq 0,33\mu F$   | (20°C, 100V, 1min) |
|                                   | $\geq 15000s$ $C_R > 0,33\mu F$  |                    |

## Dimensions



Case Dimension table

| Case Code        | W $\pm 0,4$ (mm)                       | H $\pm 0,4$ (mm) | T $\pm 0,4$ (mm) | P (mm) |
|------------------|--|------------------|------------------|--------|
| <b>A</b>         | 10,5                                   | 9,0              | 4,0              | 7,5    |
| C $\pm 0,5$ (mm) | Standard Length 18~26mm (Size by Size) |                  |                  |        |

Short Lead 4,5mm

d  $\pm 0,05$  (mm)

d = 0,6mm

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Customer:

# EDCON-COMPONENTS



## Ordering Informations

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

|               |            |          |            |          |          |          |           |          |           |  |
|---------------|------------|----------|------------|----------|----------|----------|-----------|----------|-----------|--|
| <b>I42003</b> | <b>182</b> | <b>M</b> | <b>631</b> | <b>A</b> | <b>3</b> | <b>N</b> | <b>LL</b> | <b>R</b> | <b>BU</b> |  |
|---------------|------------|----------|------------|----------|----------|----------|-----------|----------|-----------|--|

|                         |                           |                       |                                  |                 |                          |                                       |                                  |                                  |
|-------------------------|---------------------------|-----------------------|----------------------------------|-----------------|--------------------------|---------------------------------------|----------------------------------|----------------------------------|
| <b>182=</b><br>0,0018µf | <b>M=</b> 20%<br>Standard | <b>631=</b><br>630VDC | <b>A=</b> look Case<br>Dimension | <b>3=</b> 7,5mm | <b>N=</b> No<br>function | <b>LL=</b> Long<br>Lead<br>(Standard) | <b>R=</b> ROHS<br>Conform        | <b>BU=</b> Bulk<br>Ware          |
|                         | <b>K=</b> 10%             |                       |                                  |                 |                          | <b>45=</b> Lead<br>Length<br>4,5mm    | <b>N=</b> NON<br>ROHS<br>Conform | <b>TB=</b> Tape<br>Box           |
|                         | <b>J=</b> 5%              |                       |                                  |                 |                          |                                       |                                  | <b>IV=</b> Individual<br>Package |
|                         | <b>H=</b> 3%              |                       |                                  |                 |                          |                                       |                                  |                                  |
|                         | <b>G=</b> 2%              |                       |                                  |                 |                          |                                       |                                  |                                  |

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Customer:



Soldering Profile Curve

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



|   |               |
|---|---------------|
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