



# DATA SHEET

## Metallized polypropylene film capacitor Box-Type

### Serie: I40002

Code / Range **273= 0,027 $\mu$ f**

Code / Volt **501= 500VAC**

Width **26,5 mm**

Height **15,0 mm**

Thickness **6,0 mm**

Pitch **22,5 mm**

**Metallized polypropylene film  
capacitor Box-Type**

Serie No.: **I40002**

Customer:

|       |        |      |        |        |        |           |           |      |            |
|-------|--------|------|--------|--------|--------|-----------|-----------|------|------------|
| DRW:  | Jason  | CHKD | Wilson | MATL:  | Wilson | TOLERANCE | Mason     | DATE | 21.05.2011 |
| APPD: | Schumi |      |        | FINISH | Jamy   |           | Sheet No. |      | 1 from 4   |

# EDCON-COMPONENTS



## Features

Low Cost at high frequency

Small inherent temperature rise, high temperature range

Plastic case (UL94V-0) Epoxy resin sealing

## Dimensions

## Applications

Pulse applications with high A.C. voltage and high current

Electrical lighting (i.e. Electric ballast, E-HID)

High frequency A.C.loads

## Specifications

|                                   |   |  |
|-----------------------------------|---|--|
| Referance Standard                | GB/T 14579 (IEC 60384-17)   |  |
| Climatic Category                 | 55/125/56   |  |
| Rated Temperature                 | +85°C   |  |
| Operating Temperature Range       | -55°C ~ +125°C  |  |
|                                   | (+85°C to +125°C ; decreasing factor 1,25% per °C for V <sub>R</sub> (dc) |  |
| Voltage Proof (Between Terminals) | 1.60U <sub>R</sub> (5s)   |  |
| Capacitance Tolerance             | H=3% , J=5%, K=10%  |  |
| Disspation Factor                 | ≤ 0,0010 (1KHz, 20°C)   |  |
| Insulation Resistance             | ≥75 * 10 <sup>3</sup> MΩ (20°C, 100V ,1min)                               |  |
| Pitch Width                       | from 7,5mm ~ 22,5mm   |  |

| Rated Voltage | 400VAC |      | 500VAC |      | 600VAC |       | 700VAC |       | 900VAC |       |
|---------------|--------|------|--------|------|--------|-------|--------|-------|--------|-------|
| Pitch (mm)    | 7,5    | ≥7,5 | 7,5    | ≥7,5 | ≤10,0  | ≥10,0 | 10     | ≥10,0 | 15     | ≥15,0 |
| VDC ©         | 1000   | 1300 | 1300   | 1400 | 1400   | 1600  | 1600   | 2000  | 2500   |       |



## Case Dimension table

| Case Code | W ±0,4 (mm) | H ±0,4 (mm) | T ±0,4 (mm) | P (mm) |
|-----------|-------------|-------------|-------------|--------|
| <b>A</b>  | 26,5        | 15,0        | 6,0         | 22,5   |

C ±0,5 (mm)

Standard Length 18~26mm (Size by Size)

Short Lead 4,5mm

d ±0,05 (mm)

d= 0,8mm

**Metallized polypropylene film capacitor Box-Type**

Part No.: **I4002**

|       |        |      |        |        |        |           |           |          |            |           |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|-----------|
| DRW:  | Jason  | CHKD | Wilson | MATL:  | Wilson | TOLERANCE | Mason     | DATE     | 21.05.2011 | Customer: |
| APPD: | Schumi |      |        | FINISH | Jamy   |           | Sheet No. | 2 from 4 |            |           |

[www.edcon-components.com](http://www.edcon-components.com)

email: info@edcon-components.com

# EDCON-COMPONENTS



## Ordering Informations

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

|               |   |            |          |            |          |          |          |           |          |           |
|---------------|---|------------|----------|------------|----------|----------|----------|-----------|----------|-----------|
| <b>I40002</b> | - | <b>273</b> | <b>K</b> | <b>501</b> | <b>A</b> | <b>9</b> | <b>N</b> | <b>LL</b> | <b>R</b> | <b>BU</b> |
|---------------|---|------------|----------|------------|----------|----------|----------|-----------|----------|-----------|

|                     |                           |                       |                                  |                  |                          |                                       |                                  |                                  |
|---------------------|---------------------------|-----------------------|----------------------------------|------------------|--------------------------|---------------------------------------|----------------------------------|----------------------------------|
| <b>273=</b> 0,027µf | <b>K=</b> 10%<br>Standard | <b>501=</b><br>500VAC | <b>A=</b> look Case<br>Dimension | <b>9=</b> 22,5mm | <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>J=</b> 5%              |                       |                                  |                  |                          | <b>45=</b> Lead<br>Length<br>4,5mm    | <b>N=</b> NON<br>ROHS<br>Conform | <b>TB=</b> Tape<br>Box           |
|                     | <b>H=</b> 3%              |                       |                                  |                  |                          |                                       |                                  | <b>IV=</b> Individual<br>Package |

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Part No.: **I40002**

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Customer:



Soldering Profile Curve

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



|   |               |
|---|---------------|
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| Customer:   |               |

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