



# DATA SHEET

**Double sided metallized polypropylene film capacitor Box**

**Serie: I41003**

Code / Range **273= 0,027µf**

Code / Volt **401= 400VAC**

Width **26,5 mm**

Height **15,0 mm**

Thickness **6,0 mm**

Pitch **22,5 mm**

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polypropylene film capacitor  
Box**

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|       |        |      |        |        |        |           |           |          |            |           |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|-----------|
| DRW:  | Jason  | CHKD | Wilson | MATL:  | Wilson | TOLERANCE | Mason     | DATE     | 11.06.2011 | Customer: |
| APPD: | Schumi |      |        | FINISH | Jamy   |           | Sheet No. | 1 from 4 |            |           |

# EDCON-COMPONENTS



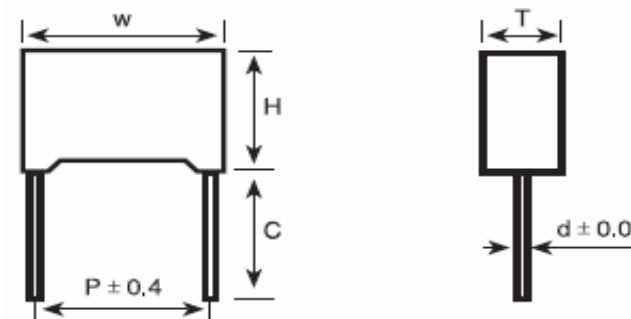
## Features

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

## Applications

Pulse application with high . AC. voltage and HIGH current  
electronic lighting ( i.e. car headlamp and lighting ballast )

## Dimensions



## Specifications

|                                   |  |                   |
|-----------------------------------|--|-------------------|
| Referance Standard                | GB/T 14579 (IEC 60384-17)  |                   |
| Climatic Category                 | 40/105/56  |                   |
| Rated Temperature                 | . +85°C  |                   |
| Operating Temperature Range       | . -40°C ~ +105°C   |                   |
|                                   | (+85°C to +105°C ; decreasing factor 1,25% per °C for V <sub>R</sub> (dc) (+75°C to +105°C: decreasing factor 1,35% per °C for V <sub>R</sub> (ac) |                   |
| Rated Voltage                     | 250Vac ( 630Vdc), 300Vac(800Vdc)   |                   |
|                                   | 400Vac ( 1000Vdc), 500Vac(1600Vdc)   |                   |
|                                   | 700Vac ( 2000Vdc), 900Vac(2500Vdc)   |                   |
| Capacitance Range                 | 0,00022 ~ 0,12μF   |                   |
| Voltage Proof (Between Terminals) | 1.60U <sub>R</sub> (5s)  |                   |
| Capacitance Tolerance             | G=2%, H=3%, J=5% , K=10%, M=20%  |                   |
| Disspation Factor                 | ≤ 0,0010 (1kHz, 20°C)  |                   |
| Insulation Resistance             | ≥ 50000MΩ C <sub>R</sub> ≤0,33μF   | (20°C, 100V, 1min |
|                                   | ≥ 15000s C <sub>R</sub> >0,33μF  |                   |

## 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

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# EDCON-COMPONENTS



## Ordering Informations

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

|               |   |            |          |            |          |          |          |           |          |           |
|---------------|---|------------|----------|------------|----------|----------|----------|-----------|----------|-----------|
| <b>I41003</b> | - | <b>273</b> | <b>M</b> | <b>401</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>M=</b> 20% Standard | <b>401=</b> 400VAC | <b>A=</b> look Case Dimension | <b>9=</b> 22,5mm | <b>N=</b> No function | <b>LL=</b> Long Lead (Standard) | <b>R=</b> ROHS Conform     | <b>BU=</b> Bulk Ware          |
|                     | <b>K=</b> 10%          |                    |                               |                  |                       | <b>45=</b> Lead Length 4,5mm    | <b>N=</b> NON ROHS Conform | <b>TB=</b> Tape Box           |
|                     | <b>J=</b> 5%           |                    |                               |                  |                       |                                 |                            | <b>IV=</b> Individual 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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