



# DATA SHEET

## Metallized polypropylene film capacitor (Box-Type)

### Serie: I37005

Code / Range **102= 0,0010 $\mu$ f**

Code / Volt **102= 1000VDC**

Width **13,0 mm**

Height **9,0 mm**

Thickness **4,0 mm**

Pitch **10,0 mm**

**Metallized polypropylene film capacitor (Box-Type)**

Serie No.: **I37005**

Customer:

|       |        |      |        |        |        |           |           |          |            |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|
| DRW:  | Jason  | CHKD | Wilson | MATL:  | Wilson | TOLERANCE | Mason     | DATE     | 14.05.2011 |
| APPD: | Schumi |      |        | FINISH | Jamy   |           | Sheet No. | 1 from 4 |            |

# EDCON-COMPONENTS



## Features

- Metallized Polypropylen structure
- Low Loss at high frequency
- Small inherent temperature rise
- Plastic case (UL94V-0), Epoxy resin sealing

## Dimensions

### Specifications

|                             |   |
|-----------------------------|---|
| Reference Standard          | GB/T 10190 (IEC 60384-16)   |
| Climatic Category           | 40/105/21   |
| 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))  |
| Rated Voltage               | 160Vdc(90Vac); 250Vdc(160Vac);<br>400Vdc(220Vac); 630Vdc(250Vac);<br>1000Vdc(400Vac); 1600Vdc(600Vac);<br>2000Vdc(700Vac) |
| Capacitance Range           | 0,00056µF ~ 15,0µF  |
| Capacitance Tolerance       | J=5% , K=10%, N=15%   |
| Voltage Proof               | 2000VAC ( 60s)  |
| Dissipation Factor          | ≤ 0,0020 ( 1KHz, 20°C)  |
| Insulation Resistance       | ≥ 3000s (20°C, 100V, 1Min)  |
| Pitch Width                 | from 5,0mm ~ 27,5mm   |



Case Dimension table

| Case Code | W ±0,4 (mm) | H ±0,4 (mm) | T ±0,4 (mm) | P (mm) |
|-----------|-------------|-------------|-------------|--------|
| <b>A</b>  | 13,0        | 9,0         | 4,0         | 10,0   |

C ±0,5 (mm)

Standard Length 18~26mm (Size by Size)

Short Lead 4,5mm

d ±0,05 (mm)

d= 0,6mm

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Part No.: **I37005**

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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>I37005</b> | - | <b>102</b> | <b>M</b> | <b>102</b> | <b>A</b> | <b>4</b> | <b>N</b> | <b>LL</b> | <b>R</b> | <b>BU</b> |
|---------------|---|------------|----------|------------|----------|----------|----------|-----------|----------|-----------|

|                         |                                  |                        |                                  |                  |                          |                                       |                           |                         |                        |                                  |
|-------------------------|----------------------------------|------------------------|----------------------------------|------------------|--------------------------|---------------------------------------|---------------------------|-------------------------|------------------------|----------------------------------|
| <b>102=</b><br>0,0010µf | <b>M=</b> 20%<br>Standard        | <b>102=</b><br>1000VDC | <b>A=</b> look Case<br>Dimension | <b>4=</b> 10,0mm | <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>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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Soldering Profile Curve

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



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

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