



# DATA SHEET

**Metallized polypropylene film interference suppression capacitor Y2 Class**

**Serie: I24002**

Code / Range **683= 0,068 $\mu$ f**

Code / Volt **301= 300VAC**

Width **17,5 mm**

Height **19,0 mm**

Thickness **11,0 mm**

Pitch **15,0 mm**

**Metallized polypropylene film  
interference suppression  
capacitor Y2 Class**

Serie No.: **I24002**

|       |        |      |        |        |        |           |           |      |            |
|-------|--------|------|--------|--------|--------|-----------|-----------|------|------------|
| DRW:  | Jason  | CHKD | Wilson | MATL:  | Wilson | TOLERANCE | Mason     | DATE | 20.05.2011 |
| APPD: | Schumi |      |        | FINISH | Jamy   |           | Sheet No. |      | 1 from 4   |

Customer:

# EDCON-COMPONENTS



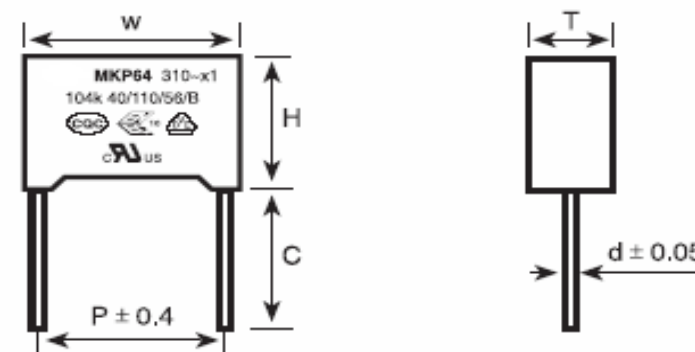
## Features

- Metallized polypropylene structure
- Withstanding overvoltage stressing
- Excellent active and passive flame resistant abilities
- Widely used in in line to ground, line-by-pass, antenna coupling interference suppression

## Dimensions

### Specifications

|   |                                  |                                   |
|---|----------------------------------|-----------------------------------|
| Climatic Category/ passive Flammability Class | 40/110/56B                       |                                   |
| Operating Temperature Range:                  | -40°C ~ +110°C                   |                                   |
| Class   | Y2                               |                                   |
| Rated Voltage:                                | 300VAC                           |                                   |
| Maximum continuous AC voltage                 | 480VAC                           |                                   |
| Maximum continuous DC voltage                 | 1250VDC                          |                                   |
| Capacitance Range:                            | 0,0010µF ~ 1,0µF                 |                                   |
| Capacitance Tolerance:                        | ± 10% (K), ± 20% (M)             |                                   |
| Voltage Proof                                 | Between Terminals:               | 2000/3400 (Vacc) (2s)             |
|   | Between Terminals to Case:       | 2380 (Vac) (1min)                 |
| Insulation Resistance                         | ≥15000MΩ, C <sub>R</sub> ≤0,33µF | ( 20°C, 100V, 1min)               |
|   | ≥5000s, C <sub>R</sub> ≤0,33µF   |                                   |
| Dissipation Factor                            | ≤30x10 <sup>-4</sup> (1kHz,20°C) | ≤40x10 <sup>-4</sup> (10kHz,20°C) |






| Case Dimension table |             |             |             |        |
|----------------------|-------------|-------------|-------------|--------|
| Case Code            | W ±0,4 (mm) | H ±0,4 (mm) | T ±0,4 (mm) | P (mm) |
| <b>A</b>             | 17,5        | 19,0        | 11,0        | 15,0   |

|  |
|--|
| C ±0,5 (mm)                            |
| Standard Length 18~26mm (Size by Size) |
| Short Lead 4,5mm                       |

|              |
|--------------|
| d ±0,05 (mm) |
| d= 0,8mm     |

|  |               |
|--|---------------|
| <b>Metallized polypropylene film interference suppression capacitor Y2 Class</b> |               |
| Part No.:  | <b>I24002</b> |

|   |   |
|---|---|
| <br><br> | IEC 60384-14:2005, Y2 250VAC; 0,001µF~1,0µF, 40/110/56B ( Certificate No.) CQC040001009958          |
|   | EN 60384-14:2005 Y2 30VAC; 0,001µF~1,0µF, 40/110/56B ( Certificate No. ) SE/0366-2B Ref. No. 916516 |
|   | UL1414, CSA C22.2 No.1, 250VAC, 0,0047µF to 1,0µF (Certificate No.) E186600                         |
|   | UL1283, CSA C22.2 No.8 300/480VAC, 0,010µF ~ 1,0µF ( Certificate No. ) E186662                      |
| CB Test Certificate   | IEC 60384-14:2005 Y2, 300VAC, 0,001µF ~ 1,0µF, 40/110/56B ( Certificate No. ): SE-60440             |

|       |        |      |        |        |        |           |           |          |            |           |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|-----------|
| DRW:  | Jason  | CHKD | Wilson | MATL:  | Wilson | TOLERANCE | Mason     | DATE     | 20.05.2011 | Customer: |
| APPD: | Schumi |      |        | FINISH | Jamy   |           | Sheet No. | 2 from 4 |            |           |

# EDCON-COMPONENTS



## Ordering Informations

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

|               |            |          |            |          |          |          |           |          |           |  |
|---------------|------------|----------|------------|----------|----------|----------|-----------|----------|-----------|--|
| <b>I24002</b> | <b>683</b> | <b>M</b> | <b>301</b> | <b>A</b> | <b>6</b> | <b>N</b> | <b>LL</b> | <b>R</b> | <b>BU</b> |  |
|---------------|------------|----------|------------|----------|----------|----------|-----------|----------|-----------|--|

|                     |  |                    |                                  |                  |                          |   |   |   |
|---------------------|--|--------------------|----------------------------------|------------------|--------------------------|---|---|---|
| <b>683=</b> 0,068µf | <b>M=</b> 20%<br>Standard<br><b>K=</b> 10% | <b>301=</b> 300VAC | <b>A=</b> look Case<br>Dimension | <b>6=</b> 15,0mm | <b>N=</b> No<br>function | <b>LL=</b> Long<br>Lead<br>(Standard)<br><b>45=</b> Lead<br>Length<br>4,5mm | <b>R=</b> ROHS<br>Conform<br><b>N=</b> NON<br>ROHS<br>Conform | <b>BU=</b> Bulk<br>Ware<br><b>TB=</b> Tape<br>Box<br><b>IV=</b> Individual<br>Package |
|---------------------|--|--------------------|----------------------------------|------------------|--------------------------|---|---|---|

**Metallized polypropylene film  
interference suppression  
capacitor Y2 Class**

Part No.: **I24002**

|       |        |      |        |        |        |           |           |          |            |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|
| DRW:  | Jason  | CHKD | Wilson | MATL:  | Wilson | TOLERANCE | Mason     | DATE     | 20.05.2011 |
| APPD: | Schumi |      |        | FINISH | Jamy   |           | Sheet No. | 3 from 4 |            |

Customer:



Soldering Profile Curve

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



**Metalized polypropylene film  
interference suppression  
capacitor Y2 Class**

Part No.: **I24002**

|       |        |      |        |        |        |           |           |          |            |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|
| DRW:  | Jason  | CHKD | Wilson | MATL:  | Wilson | TOLERANCE | Mason     | DATE     | 20.05.2011 |
| APPD: | Schumi |      |        | FINISH | Jamy   |           | Sheet No. | 4 from 4 | Customer:  |