



# DATA SHEET

**Double sided metallized polypropylene film capacitor Box**

**Serie: I42004**

Code / Range **124= 0,12 $\mu$ f**

Code / Volt **102= 1000VDC**

Width **32,0 mm**

Height **20,0 mm**

Thickness **11,0 mm**

Pitch **27,5 mm**

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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>         | 32,0             | 20,0             | 11,0             | 27,5   |
| C $\pm 0,5$ (mm) |                  |                  |                  |        |

Standard Length 18~26mm (Size by Size)

Short Lead 4,5mm

d  $\pm 0,05$  (mm)

d = 0,8mm

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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>I42004</b> | - | <b>124</b> | <b>M</b> | <b>102</b> | <b>A</b> | <b>B</b> | <b>N</b> | <b>LL</b> | <b>R</b> | <b>BU</b> |
|---------------|---|------------|----------|------------|----------|----------|----------|-----------|----------|-----------|

|                    |                        |                     |                               |                  |                       |                                                                 |                                                      |                                                                              |
|--------------------|------------------------|---------------------|-------------------------------|------------------|-----------------------|-----------------------------------------------------------------|------------------------------------------------------|------------------------------------------------------------------------------|
| <b>124=</b> 0,12µf | <b>M=</b> 20% Standard | <b>102=</b> 1000VDC | <b>A=</b> look Case Dimension | <b>B=</b> 27,5mm | <b>N=</b> No function | <b>LL=</b> Long Lead (Standard)<br><b>45=</b> Lead Length 4,5mm | <b>R=</b> ROHS Conform<br><b>N=</b> NON ROHS Conform | <b>BU=</b> Bulk Ware<br><b>TB=</b> Tape Box<br><b>IV=</b> Individual Package |
|                    | <b>K=</b> 10%          |                     |                               |                  |                       |                                                                 |                                                      |                                                                              |
|                    | <b>J=</b> 5%           |                     |                               |                  |                       |                                                                 |                                                      |                                                                              |
|                    | <b>H=</b> 3%           |                     |                               |                  |                       |                                                                 |                                                      |                                                                              |
|                    | <b>G=</b> 2%           |                     |                               |                  |                       |                                                                 |                                                      |                                                                              |

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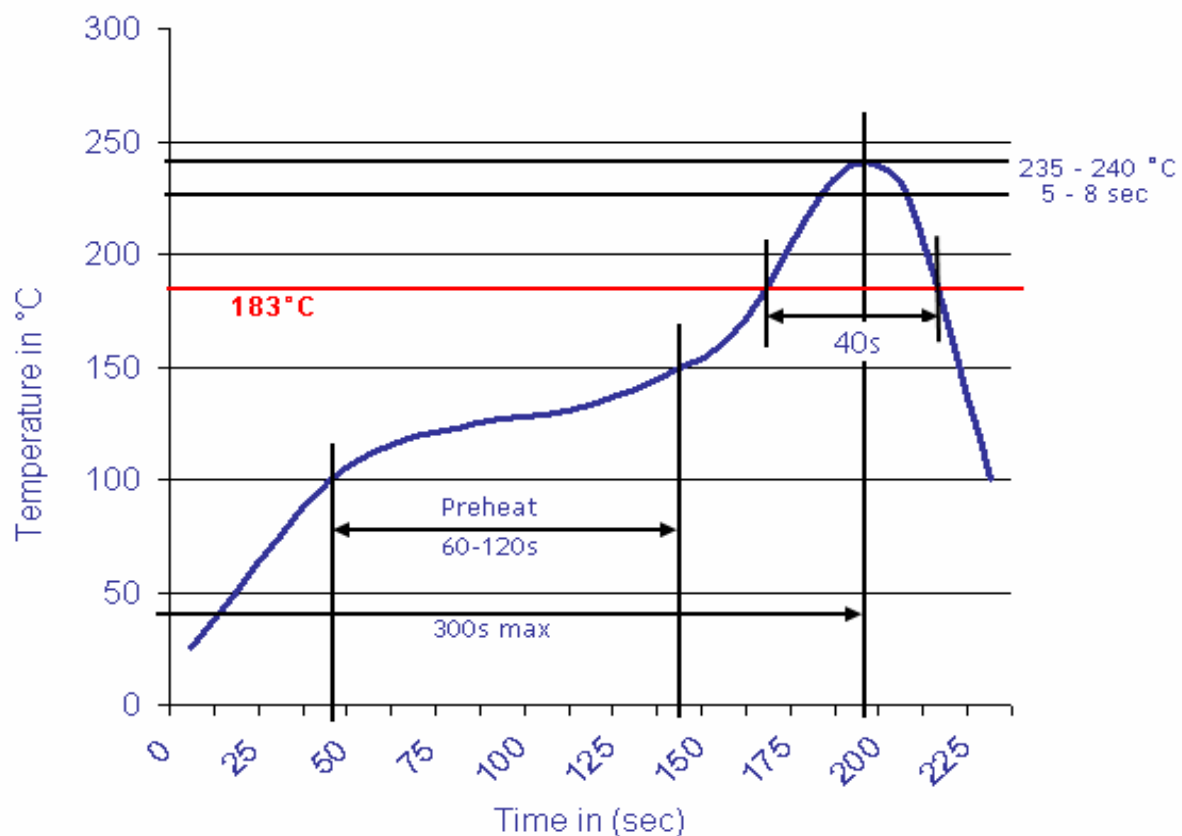
|       |        |      |        |        |        |           |       |           |            |
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Soldering Profile Curve

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



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