



# DATA SHEET

**Metallized polyester film capacitor Box-Type**

**Serie: I44002**

Code / Range **335= 3,3 $\mu$ f**

Code / Volt **101= 100VDC**

Width **17,5 mm**

Height **13,5 mm**

Thickness **7,5 mm**

Pitch **15,0 mm**

**Metallized polyester film  
capacitor Box-Type**

Serie No.: **I44002**

|       |        |      |        |        |        |           |           |          |            |           |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|-----------|
| DRW:  | Jason  | CHKD | Wilson | MATL:  | Wilson | TOLERANCE | Mason     | DATE     | 08.06.2011 | Customer: |
| APPD: | Schumi |      |        | FINISH | Jamy   |           | Sheet No. | 1 from 4 |            |           |

# EDCON-COMPONENTS



## Features

- High reliability
- Metallized Polyester film, non-inductive wound construction
- Plastic case (UL94V-0) Epoxy resin sealing

## Applications

- By-passing, blocking, coupling decoupling
- Pulse logic, timing, oscillator circuits
- Interference suppression in low voltage application ( i.e. automotive)

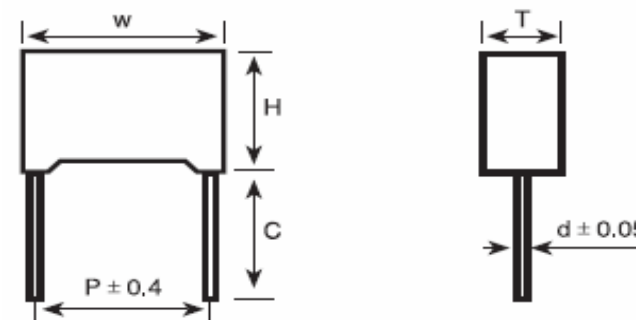
## Specifications

|                                   |   |                                    |                        |
|-----------------------------------|---|------------------------------------|------------------------|
| Reference Standard                | GB/T 7332 (IEC 60384-2)   |                                    |                        |
| Climatic Category                 | 55/105/56   |                                    |                        |
| Rated Temperature                 | +85°C   |                                    |                        |
| Operating Temperature Range       | -55°C ~ +105°C  |                                    |                        |
|                                   | (+85°C to +105°C ; decreasing factor 1,25% per °C for V <sub>R</sub> (dc) |                                    |                        |
| Rated Voltage                     | 63, 100, 160, 250, 400, 630 Volt  |                                    |                        |
| Capacitance Range                 | 0,0033 ~ 33μF   |                                    |                        |
| Voltage Proof (Between Terminals) | 1.60U <sub>R</sub> (5s)   |                                    |                        |
| Capacitance Tolerance             | J=5% , K=10%, M=20%   |                                    |                        |
| Dissipation Factor                | Frequency   | C <sub>R</sub> ≤ 0,1μF             | C <sub>R</sub> > 0,1μF |
|                                   | 1kHz  | ≤ 1,0%                             | ≤ 1,0%                 |
|                                   | 10kHz   | ≤ 1,5%                             | ≤ 1,5%                 |
|                                   | 100kHz  | ≤ 3,0%                             | ----                   |
| Insulation Resistance             | U <sub>R</sub> > 100V   | ≥ 30000MΩ, C <sub>R</sub> ≤ 0,33μF | (20°C, 100V, 1min)     |
|                                   |   | ≥ 10000MΩ, C <sub>R</sub> > 0,33μF |                        |
|                                   | U <sub>R</sub> ≤ 100V   | ≥ 15000MΩ, C <sub>R</sub> ≤ 0,33μF | (20°C, 10V, 1min)      |
|                                   |   | ≥ 5000s, C <sub>R</sub> > 0,33μF   |                        |

## Maximum Pulse Rise Time

| U <sub>R</sub> (V) | dV/dt (V/μs) A-Case |     |    |    |      |      |
|--------------------|---------------------|-----|----|----|------|------|
|                    | Pitch               | 7,5 | 10 | 15 | 22,5 | 27,5 |
| 63                 | 7,5                 | 6   | 3  | 2  | 1    |      |
| 100                | 15                  | 9   | 5  | 3  | 2    |      |
| 250                | 30                  | 20  | 12 | 8  | 5    |      |
| 400                | 40                  | 30  | 20 | 10 | 7    |      |
| 630                | 50                  | 40  | 25 | 12 | -    |      |

## Dimensions



## Case Dimension table

| Case Code | W ±0,4 (mm) | H ±0,4 (mm) | T ±0,4 (mm) | P (mm) |
|-----------|-------------|-------------|-------------|--------|
| <b>A</b>  | 17,5        | 13,5        | 7,5         | 15,0   |

C ±0,5 (mm)

Standard Length 18~22mm (Size by Size)

Short Lead 4,5mm

d ±0,05 (mm)

d = 0,8mm

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Part No.: **I44002**

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[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>I44002</b> | <b>335</b> | <b>M</b> | <b>101</b> | <b>A</b> | <b>6</b> | <b>N</b> | <b>LL</b> | <b>R</b> | <b>BU</b> |  |
|---------------|------------|----------|------------|----------|----------|----------|-----------|----------|-----------|--|

|                   |   |                    |                               |                  |                       |   |  |  |
|-------------------|---|--------------------|-------------------------------|------------------|-----------------------|---|--|--|
| <b>335=</b> 3,3µf | <b>M=</b> 20% Standard<br><b>K=</b> 10%<br><b>J=</b> 5% | <b>101=</b> 100VDC | <b>A=</b> look Case Dimension | <b>6=</b> 15,0mm | <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 |
|-------------------|---|--------------------|-------------------------------|------------------|-----------------------|---|--|--|

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

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



|   |               |
|---|---------------|
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