



# DATA SHEET

**Uncoated Metallized polyester film capacitor Stacked Type**

**Serie: I19003**

Code / Range **393= 0,039µf**

Code / Volt **251= 250VDC**

Width **9,0 mm**

Height **4,1 mm**

Thickness **2,2 mm**

Pitch **7,5 mm**

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film capacitor Stacked Type**

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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

Metallized Polyester film, stacked-construction, Uncoated Type  
High impulse and pulse strength

## Applications

DC impulse and pulse circuits  
SMPS, converter, Electronic ballast, compact fluorescent lamps

## Specifications

|  |   |   |      |      |      |      |                    |  |
|--|---|---|------|------|------|------|--------------------|--|
| Reference Standard                           | GB/T 7332 (IEC 60384-2)   |   |      |      |      |      |                    |  |
| Climatic Category                            | 55/125/56   |   |      |      |      |      |                    |  |
| Rated Temperature                            | (+85°C for $V_R$ (dc)) (+75°C for $V_R$ (ac))<br>-55°C ~ +125°C   |   |      |      |      |      |                    |  |
| Operating Temperature Range                  | (+85°C to +125°C ; decreasing factor 1,25% per °C for $V_R$ (dc)) |   |      |      |      |      |                    |  |
| Rated Voltage                                | 63, 100, 250, 400, 630, 1000Volt                                  |   |      |      |      |      |                    |  |
| Capacitance Range                            | 0,0010 ~ 10 $\mu$ F   |   |      |      |      |      |                    |  |
| Voltage Proof (Between Terminals)            | 1.40 $U_R$ (2s)   |   |      |      |      |      |                    |  |
| Capacitance Tolerance                        | J=5% , K=10% , M=20%  |   |      |      |      |      |                    |  |
| Dissipation Factor                           | $\leq 0,0100$ (1KHz)  |   |      |      |      |      |                    |  |
|  | $\leq 0,0150$ (10KHz, $C_R \leq 1,0\mu$ F)                        |   |      |      |      |      |                    |  |
|  | $\leq 0,0300$ (100KHz, $C_R \leq 0,1\mu$ F)                       |   |      |      |      |      |                    |  |
| Insulation Resistance                        | $U_R > 100V$  | $\geq 3750M\Omega$ , $C_R \leq 0,33\mu$ F |      |      |      |      | (20°C, 100V, 1min) |  |
|  |   | $\geq 1250s$ , $C_R > 0,33\mu$ F          |      |      |      |      |                    |  |
| Insulation Resistance                        | $U_R \leq 100V$   | $\geq 7500M\Omega$ , $C_R \leq 0,33\mu$ F |      |      |      |      | (20°C, 10V, 1min)  |  |
|  |   | $\geq 2500s$ , $C_R > 0,33\mu$ F          |      |      |      |      |                    |  |
| Maximum Pulse Rise Time<br>dV/dt(V/ $\mu$ s) | $U_R$ (Vdc)<br>P/mm   | 63V                                       | 100V | 250V | 400V | 630V | 1000V              |  |
|  | 5,0   | 120                                       | 150  | 250  | 300  | 400  | 600                |  |
|  | 7,5   | 120                                       | 150  | 200  | 275  | 320  | 400                |  |
|  | 10,0  |   | 75   | 150  | 175  | -    | -                  |  |
|  | 15,0  |   | 50   | 100  | 125  | 150  | -                  |  |

## 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>  | 9,0              | 4,1              | 2,2              | 7,5    |

C  $\pm 0,5$  (mm)

Standard Length 18~22mm (Size by Size)

Short Lead 4,5mm

d  $\pm 0,05$  (mm)

d = 0,5mm

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|       |        |      |        |        |        |           |           |          |            |           |
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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>I19003</b> | <b>393</b> | <b>M</b> | <b>251</b> | <b>A</b> | <b>3</b> | <b>N</b> | <b>LL</b> | <b>R</b> | <b>BU</b> |  |
|---------------|------------|----------|------------|----------|----------|----------|-----------|----------|-----------|--|

|                      |  |                     |                                |                  |                        |   |  |   |
|----------------------|--|---------------------|--------------------------------|------------------|------------------------|---|--|---|
| <b>393</b> = 0,039µf | <b>M</b> = 20% Standard<br><b>K</b> = 10%<br><b>J</b> = 5% | <b>251</b> = 250VDC | <b>A</b> = look Case Dimension | <b>3</b> = 7,5mm | <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 |
|----------------------|--|---------------------|--------------------------------|------------------|------------------------|---|--|---|

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Soldering Profile Curve

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



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