



# DATA SHEET

**Uncoated Metallized polyester film capacitor Stacked Type**

**Serie: I19004**

Code / Range **153= 0,015 $\mu$ f**

Code / Volt **401= 400VDC**

Width **11,5 mm**

Height **4,5 mm**

Thickness **2,5 mm**

Pitch **10,0 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))                     |   |      |      |      |      |                    |  |
|   | -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          |      |      |      |      |                    |  |
|   | $U_R \leq 100V$   | $\geq 7500M\Omega$ , $C_R \leq 0,33\mu$ F |      |      |      |      | (20°C, 10V, 1min)  |  |
|   |   | $\geq 2500s$ , $C_R > 0,33\mu$ F          |      |      |      |      |                    |  |
| Maximum Pulse Rise Time<br>$dV/dt(V/\mu s)$ | $U_R(Vdc)$  | 63V                                       | 100V | 250V | 400V | 630V | 1000V              |  |
|   | P/mm  |   |      |      |      |      |                    |  |
|   | 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>  | 11,5             | 4,5              | 2,5              | 10,0   |

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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Part No.: **I19004**

|       |        |      |        |        |        |           |           |          |            |           |
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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>I19004</b> | <b>153</b> | <b>M</b> | <b>401</b> | <b>A</b> | <b>4</b> | <b>N</b> | <b>LL</b> | <b>R</b> | <b>BU</b> |  |
|---------------|------------|----------|------------|----------|----------|----------|-----------|----------|-----------|--|

|                     |   |                    |                               |                  |                       |   |  |  |
|---------------------|---|--------------------|-------------------------------|------------------|-----------------------|---|--|--|
| <b>153=</b> 0,015µf | <b>M=</b> 20% Standard<br><b>K=</b> 10%<br><b>J=</b> 5% | <b>401=</b> 400VDC | <b>A=</b> look Case Dimension | <b>4=</b> 10,0mm | <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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Customer:



Soldering Profile Curve

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



|  |               |
|--|---------------|
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| Part No.:  | <b>I19004</b> |
| Customer:  |               |

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