



# DATA SHEET

**Uncoated Metallized polyester film capacitor Stacked Type**

**Serie: I19001**

Code / Range **474= 0,47 $\mu$ f**

Code / Volt **630= 63VDC**

Width **6,5 mm**

Height **5,2 mm**

Thickness **3,7 mm**

Pitch **5,0 mm**

**Uncoated Metallized polyester  
film capacitor Stacked Type**

Serie No.: **I19001**

|       |        |      |        |        |        |           |           |          |            |           |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|-----------|
| 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          |      |      |      |      |                    |  |
|   | $U_R \leq 100V$   | $\geq 7500M\Omega$ , $C_R \leq 0,33\mu$ 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>  | 6,5              | 5,2              | 3,7              | 5,0    |

C  $\pm 0,5$  (mm)

Standard Length 18~22mm (Size by Size)

Short Lead 4,5mm

d  $\pm 0,05$  (mm)

d = 0,5mm

**Uncoated Metallized polyester film capacitor Stacked Type**

Part No.: **I19001**

|       |        |      |        |        |        |           |       |           |            |           |
|-------|--------|------|--------|--------|--------|-----------|-------|-----------|------------|-----------|
| DRW:  | Jason  | CHKD | Wilson | MATL:  | Wilson | TOLERANCE | Mason | DATE      | 11.06.2011 | 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>I19001</b> | - | <b>474</b> | <b>M</b> | <b>630</b> | <b>A</b> | <b>2</b> | <b>N</b> | <b>LL</b> | <b>R</b> | <b>BU</b> |
|---------------|---|------------|----------|------------|----------|----------|----------|-----------|----------|-----------|

|                    |   |                   |                               |                 |                       |   |  |  |
|--------------------|---|-------------------|-------------------------------|-----------------|-----------------------|---|--|--|
| <b>474=</b> 0,47µf | <b>M=</b> 20% Standard<br><b>K=</b> 10%<br><b>J=</b> 5% | <b>630=</b> 63VDC | <b>A=</b> look Case Dimension | <b>2=</b> 5,0mm | <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 |
|--------------------|---|-------------------|-------------------------------|-----------------|-----------------------|---|--|--|

**Uncoated Metallized polyester film capacitor Stacked Type**

Part No.: **I19001**

|       |        |      |        |        |        |           |           |      |            |
|-------|--------|------|--------|--------|--------|-----------|-----------|------|------------|
| DRW:  | Jason  | CHKD | Wilson | MATL:  | Wilson | TOLERANCE | Mason     | DATE | 11.06.2011 |
| APPD: | Schumi |      |        | FINISH | Jamy   |           | Sheet No. |      | 3 from 4   |

Customer:



Soldering Profile Curve

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



|  |               |
|--|---------------|
| <b>Uncoated Metallized polyester film capacitor Stacked Type</b> |               |
| Part No.:  | <b>I19001</b> |
| Customer:  |               |

|       |        |      |        |        |        |           |           |          |            |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|
| DRW:  | Jason  | CHKD | Wilson | MATL:  | Wilson | TOLERANCE | Mason     | DATE     | 11.06.2011 |
| APPD: | Schumi |      |        | FINISH | Jamy   |           | Sheet No. | 4 from 4 |            |