



DATA SHEET

Uncoated Metallized polyester film capacitor Stacked Type

Serie: I19003

Code / Range **473= 0,047 μ f**

Code / Volt **251= 250VDC**

Width **11,5 mm**

Height **3,8 mm**

Thickness **2,2 mm**

Pitch **10,0 mm**

**Uncoated Metallized polyester
film capacitor Stacked Type**

Serie No.: **I19003**

| | | | | | | | | | | |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|-----------|
| 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 μ 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 $dV/dt(V/\mu s)$ | $U_R(Vdc)$ 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) |
|-----------|------------------|------------------|------------------|--------|
| A | 11,5 | 3,8 | 2,2 | 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

Uncoated Metallized polyester film capacitor Stacked Type

Part No.: **I19003**

| | | | | | | | | | | |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|-----------|
| DRW: | Jason | CHKD | Wilson | MATL: | Wilson | TOLERANCE | Mason | DATE | 11.06.2011 | Customer: |
| APPD: | Schumi | | | FINISH | Jamy | | Sheet No. | 2 from 4 | | |

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

| | | | | | | | | | | |
|---------------|------------|----------|------------|----------|----------|----------|-----------|----------|-----------|--|
| I19003 | 473 | M | 251 | A | 4 | N | LL | R | BU | |
|---------------|------------|----------|------------|----------|----------|----------|-----------|----------|-----------|--|

| | | | | | | | | |
|---------------------|---|--------------------|-------------------------------|------------------|-----------------------|---|--|--|
| 473= 0,047µf | M= 20% Standard K= 10% J= 5% | 251= 250VDC | A= look Case Dimension | 4= 10,0mm | N= No function | LL= Long Lead (Standard) 45= Lead Length 4,5mm | R= ROHS Conform N= NON ROHS Conform | BU= Bulk Ware TB= Tape Box IV= Individual Package |
|---------------------|---|--------------------|-------------------------------|------------------|-----------------------|---|--|--|

Uncoated Metallized polyester film capacitor Stacked Type

Part No.: **I19003**

| | | | | | | | | | |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|
| 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)



| | |
|--|---------------|
| Uncoated Metallized polyester film capacitor Stacked Type | |
| Part No.: | I19003 |
| Customer: | |

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