



DATA SHEET

Metallized polypropylene film A.C. capacitor for capacitive divider

Serie: I38003

Code / Range **224= 0,22 μ f**

Code / Volt **271= 275VAC**

Width **32,0 mm**

Height **18,0 mm**

Thickness **9,0 mm**

Pitch **27,5 mm**

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A.C. capacitor for capacitive
divider**

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| | | | | | | | | | |
|-------|--------|------|--------|--------|--------|-----------|-----------|------|------------|
| DRW: | Jason | CHKD | Wilson | MATL: | Wilson | TOLERANCE | Mason | DATE | 15.05.2011 |
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Features

This is specifically designed for applications in serial with the main i.e.: capacitive divider, for example, energy meter, LED driver etc.

Metallized polypropylene

Good self-healing properties, withstanding overvoltage stressing

Long stability of capacitance

Good properties in damp environment

Excellent active and passive flame resistant abilities.

Dimensions

Specifications

| | | | | |
|---|---|-------------|--------------|--|
| Referance Standard | GB/T 14579 (IEC 60384-17) | | | |
| 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 _R (dc) | | | |
| Rated Voltage | 230VAC | 250VAC | 275VAC | |
| Maximum continious DC voltage | 400VDC | 560VDC | 630VDC | |
| Capacitance Range | 0,033~4,7µF | 0,01~4,7µF | 0,01~2,2µF | |
| Voltage Proof (Between Terminals) | 640VDC (2s) | 900VDC (2s) | 1500VDC (2s) | |
| Capacitance Tolerance | J=5% , K=10%, M=20% | | | |
| Disspation Factor | ≤ 0,0020 (1KHz, 20°C) | | | |
| Insulation Resistance | ≥ 15000MΩ, C _R ≤0,33µF | | | |
| | ≥ 5000s, C _R ≤0,33µF (20°C, 100V, 1min) | | | |
| Pitch Width | from 7,5mm ~ 27,5mm | | | |
| Note: For long lifetime and continious working, please choose 275VAC and upwards voltage. | | | | |



Case Dimension table

| Case Code | W ±0,4 (mm) | H ±0,4 (mm) | T ±0,4 (mm) | P (mm) |
|-----------|-------------|-------------|-------------|--------|
| A | 32,0 | 18,0 | 9,0 | 27,5 |

C ±0,5 (mm)

Standard Length 18~26mm (Size by Size)

Short Lead 4,5mm

d ±0,05 (mm)

d = 0,8mm

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www.edcon-components.com

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Ordering Informations

| Serie | Range | Tolerance | Voltage | Case Code | Pitch Code | Lead Style | Lead Length C | ROHS | Packing Code | |
|-------|-------|-----------|---------|-----------|------------|------------|---------------|------|--------------|--|
|-------|-------|-----------|---------|-----------|------------|------------|---------------|------|--------------|--|

| | | | | | | | | | | |
|---------------|---|------------|----------|------------|----------|----------|----------|-----------|----------|-----------|
| I38003 | - | 224 | M | 271 | A | B | N | LL | R | BU |
|---------------|---|------------|----------|------------|----------|----------|----------|-----------|----------|-----------|

| | | | | | | | | |
|--------------------|---|--------------------|-------------------------------|------------------|-----------------------|---|--|--|
| 224= 0,22µf | M= 20% Standard K= 10% J= 5% | 271= 275VAC | A= look Case Dimension | B= 27,5mm | 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 |
|--------------------|---|--------------------|-------------------------------|------------------|-----------------------|---|--|--|

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Soldering Profile Curve

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



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