



DATA SHEET

Metallized polypropylene film interference suppression capacitor Y2 Class

Serie: I24002

Code / Range **684= 0,68µf**

Code / Volt **301= 300VAC**

Width **41,0 mm**

Height **30,0 mm**

Thickness **16,0 mm**

Pitch **37,5 mm**

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| | | | | | | | | | | |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|-----------|
| DRW: | Jason | CHKD | Wilson | MATL: | Wilson | TOLERANCE | Mason | DATE | 20.05.2011 | Customer: |
| APPD: | Schumi | | | FINISH | Jamy | | Sheet No. | 1 from 4 | | |

EDCON-COMPONENTS



Features

- Metallized polypropylene structure
- Withstanding overvoltage stressing
- Excellent active and passive flame resistant abilities
- Widely used in in line to ground, line-by-pass, antenna coupling interference suppression

Dimensions

Specifications

| | | |
|---|----------------------------------|-----------------------------------|
| Climatic Category/ passive Flammability Class | 40/110/56B | |
| Operating Temperature Range: | -40°C ~ +110°C | |
| Class | Y2 | |
| Rated Voltage: | 300VAC | |
| Maximum continuous AC voltage | 480VAC | |
| Maximum continuous DC voltage | 1250VDC | |
| Capacitance Range: | 0,0010µF ~ 1,0µF | |
| Capacitance Tolerance: | ± 10% (K), ± 20% (M) | |
| Voltage Proof | Between Terminals: | 2000/3400 (Vacc) (2s) |
| | Between Terminals to Case: | 2380 (Vac) (1min) |
| Insulation Resistance | ≥15000MΩ, C _R ≤0,33µF | (20°C, 100V, 1min) |
| | ≥5000s, C _R ≤0,33µF | |
| Dissipation Factor | ≤30x10 ⁻⁴ (1kHz,20°C) | ≤40x10 ⁻⁴ (10kHz,20°C) |



Case Dimension table

| Case Code | W ±0,4 (mm) | H ±0,4 (mm) | T ±0,4 (mm) | P (mm) |
|-----------|-------------|-------------|-------------|--------|
| A | 41,0 | 30,0 | 16,0 | 37,5 |

C ±0,5 (mm)

Standard Length 18~26mm (Size by Size)

Short Lead 4,5mm

d ±0,05 (mm)

d= 1,0mm

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| | | | | | | |
|---------------------|---|--|--|--|--|--|
| | IEC 60384-14:2005, Y2 250VAC; 0,001µF~1,0µF, 40/110/56B (Certificate No.) CQC040001009958 | | | | | |
| | EN 60384-14:2005 Y2 30VAC; 0,001µF~1,0µF, 40/110/56B (Certificate No.) SE/0366-2B Ref. No. 916516 | | | | | |
| | UL1414, CSA C22.2 No.1, 250VAC, 0,0047µF to 1,0µF (Certificate No.) E186600 | | | | | |
| | UL1283, CSA C22.2 No.8 300/480VAC, 0,010µF ~ 1,0µF (Certificate No.) E186662 | | | | | |
| CB Test Certificate | IEC 60384-14:2005 Y2, 300VAC, 0,001µF ~ 1,0µF, 40/110/56B (Certificate No.): SE-60440 | | | | | |

| | | | | | | | | | | |
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Ordering Informations

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

| | | | | | | | | | | |
|---------------|---|------------|----------|------------|----------|----------|----------|-----------|----------|-----------|
| I24002 | - | 684 | M | 301 | A | F | N | LL | R | BU |
|---------------|---|------------|----------|------------|----------|----------|----------|-----------|----------|-----------|

| | | | | | | | | |
|--------------------|---|--------------------|-------------------------------|------------------|-----------------------|---|--|--|
| 684= 0,68µf | M= 20% Standard K= 10% | 301= 300VAC | A= look Case Dimension | F= 37,5mm | 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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Customer:



Soldering Profile Curve

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



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