



DATA SHEET

Double sided metallized polypropylene film capacitor Box

Serie: I41002

Code / Range **683= 0,068 μ f**

Code / Volt **301= 300VAC**

Width **17,5 mm**

Height **16,0 mm**

Thickness **10,0 mm**

Pitch **15,0 mm**

**Double sided metallized
polypropylene film capacitor
Box**

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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



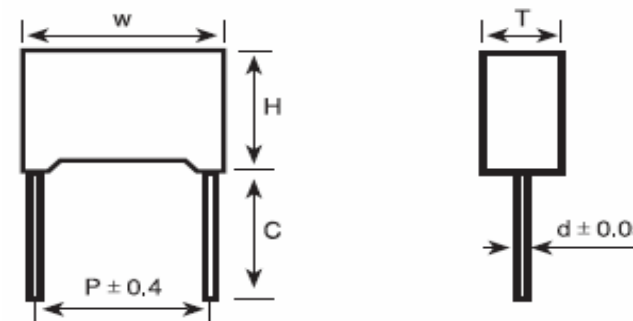
Features

- Doublesided metallized polypropylen structure
- Low loss and small inherent temperature rise
- Negative temperature coefficient of capacitance
- Excellent active and passive flame resistance circuit

Applications

Pulse application with high . AC. voltage and HIGH current
electronic lighting (i.e. car headlamp and lighting ballast)

Dimensions



Specifications

| | | |
|-----------------------------------|--|-------------------|
| Referance Standard | GB/T 14579 (IEC 60384-17) | |
| Climatic Category | 40/105/56 | |
| Rated Temperature | . +85°C | |
| Operating Temperature Range | . -40°C ~ +105°C | |
| | (+85°C to +105°C ; decreasing factor 1,25% per °C for V _R (dc) (+75°C to +105°C: decreasing factor 1,35% per °C for V _R (ac) | |
| Rated Voltage | 250Vac (630Vdc), 300Vac(800Vdc) | |
| | 400Vac (1000Vdc), 500Vac(1600Vdc) | |
| | 700Vac (2000Vdc), 900Vac(2500Vdc) | |
| Capacitance Range | 0,00022 ~ 0,12µF | |
| Voltage Proof (Between Terminals) | 1.60U _R (5s) | |
| Capacitance Tolerance | G=2%, H=3%, J=5% , K=10%, M=20% | |
| Disspation Factor | ≤ 0,0010 (1kHz, 20°C) | |
| Insulation Resistance | ≥ 50000MΩ C _R ≤0,33µF | (20°C, 100V, 1min |
| | ≥ 15000s C _R >0,33µF | |

Case Dimension table

| Case Code | W ±0,4 (mm) | H ±0,4 (mm) | T ±0,4 (mm) | P (mm) |
|-------------|-------------|-------------|-------------|--------|
| A | 17,5 | 16,0 | 10,0 | 15,0 |
| 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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EDCON-COMPONENTS



Ordering Informations

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

| | | | | | | | | | | |
|---------------|---|------------|----------|------------|----------|----------|----------|-----------|----------|-----------|
| I41002 | - | 683 | M | 301 | A | 6 | N | LL | R | BU |
|---------------|---|------------|----------|------------|----------|----------|----------|-----------|----------|-----------|

| | | | | | | | | |
|----------------------|-------------------------|---------------------|--------------------------------|-------------------|------------------------|----------------------------------|-----------------------------|--------------------------------|
| 683 = 0,068µf | M = 20% Standard | 301 = 300VAC | A = look Case Dimension | 6 = 15,0mm | N = No function | LL = Long Lead (Standard) | R = ROHS Conform | BU = Bulk Ware |
| | K = 10% | | | | | 45 = Lead Length 4,5mm | N = NON ROHS Conform | TB = Tape Box |
| | J = 5% | | | | | | | IV = Individual Package |
| | H = 3% | | | | | | | |
| | G = 2% | | | | | | | |

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Soldering Profile Curve

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



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