



DATA SHEET

Metallized polypropylene film capacitor Box-Type

Serie: I39002

Code / Range **104= 0,10 μ f**

Code / Volt **521= 520VAC**

Width **13,0 mm**

Height **11,0 mm**

Thickness **5,0 mm**

Pitch **10,0 mm**

**Metallized polypropylene film
capacitor Box-Type**

Serie No.: **I39002**

Customer:

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

- Metallized polypropylene structure
- excellent electric property
- Plastic case (UL94V-0), Epoxy resin sealing



Here: $V_1 \geq 0$, $V_2 \leq U_R$, $V_{rms} = (V_2 - V_1) \div \sqrt{2}$, $i_{rms} = 2\pi f \times C \times (V_2 - V_1) \div \sqrt{2}$
 U_R is the rated voltage of the capacitor

Dimensions



Specifications

| | | | |
|-----------------------------------|---|------------------------|---------------------|
| Reference Standard | GB/T 10190 (IEC 60384-16) | | |
| 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)) | | |
| Rated Voltage | 450VDC | 520VDC | 630VDC |
| Capacitance Range | 0,068~8,2μF | 0,047~6,8μF | 0,027~3,9μF |
| Voltage Proof (Between Terminals) | 1.60 U_R (5s) | | |
| Capacitance Tolerance | J=5% , K=10% , M=20% | | |
| Dissipation Factor | $\leq 10 \times 10^{-4}$ (1KHz, 20°C) | | |
| Insulation Resistance | CR≤0,33μF | ≥75x10 ³ MΩ | (20°C, 100V, 1min.) |
| | CR≥0,33μF | ≥30000s | |
| Pitch Width | from 10,0mm ~ 27,5mm | | |

Case Dimension table

| Case Code | W ±0,4 (mm) | H ±0,4 (mm) | T ±0,4 (mm) | P (mm) |
|-----------|-------------|-------------|-------------|--------|
| A | 13,0 | 11,0 | 5,0 | 10,0 |

C ±0,5 (mm)

Standard Length 18~26mm (Size by Size)

Short Lead 4,5mm

d ±0,05 (mm)

d = 0,6mm

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Part No.: **I39002**

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

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

| | | | | | | | | | | |
|---------------|------------|----------|------------|----------|----------|----------|-----------|----------|-----------|--|
| I39002 | 104 | M | 521 | A | 4 | N | LL | R | BU | |
|---------------|------------|----------|------------|----------|----------|----------|-----------|----------|-----------|--|

| | | | | | | | | |
|--------------------|---------------------------|--------------------|----------------------------------|------------------|--------------------------|---------------------------------------|----------------------------------|----------------------------------|
| 104= 0,10µf | M= 20% Standard | 521= 520VAC | A= look Case Dimension | 4= 10,0mm | 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 |

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Soldering Profile Curve

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



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