



DATA SHEET

Double sided metallized polypropylene film capacitor Box

Serie: I42001

Code / Range **224= 0,22 μ f**

Code / Volt **251= 250VDC**

Width **17,5 mm**

Height **13,5 mm**

Thickness **7,5 mm**

Pitch **15,0 mm**

**Double sided metallized
polypropylene film capacitor
Box**

Serie No.: **I42001**

| | | | | | | | | | | |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|-----------|
| DRW: | Jason | CHKD | Wilson | MATL: | Wilson | TOLERANCE | Mason | DATE | 25.05.2011 | 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

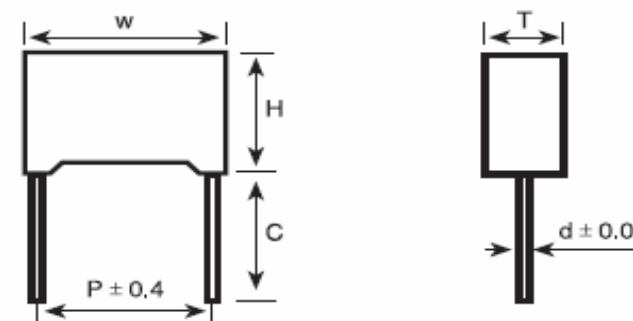
Applications

- widely used in high voltage, high frequency and pulse circuit
- Deflection circuits in TV-sets (S-correction and fly back tuning) and monitors
- Lamp capacitor for electronic ballast and compact lamps
- SNUBBER and SCR commutating circuits

Specifications

| | | |
|-----------------------------------|--|--------------------|
| Reference Standard | GB/T 10190 (IEC 60384-16) | |
| Climatic Category | 40/105/56 | |
| Rated Temperature | . +85°C for $V_R(dc)$; 75°C for $V_R(ac)$ | |
| 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 | 250V, 400V, 630V, 1000V, 1600V, 2000V | |
| Capacitance Range | 0,00022 ~ 3,9 μ F | |
| Voltage Proof (Between Terminals) | 1.60 U_R (5s) | |
| Capacitance Tolerance | G=2%, H=3%, J=5% , K=10%, M=20% | |
| Dissipation Factor | $\leq 0,0010$ (1kHz, 20°C) | |
| Insulation Resistance | $\geq 50000M\Omega$ $C_R \leq 0,33\mu F$ $\geq 15000s$ $C_R > 0,33\mu F$ | (20°C, 100V, 1min) |

Dimensions



Case Dimension table

| Case Code | W $\pm 0,4$ (mm) | H $\pm 0,4$ (mm) | T $\pm 0,4$ (mm) | P (mm) |
|------------------|------------------|------------------|------------------|--------|
| A | 17,5 | 13,5 | 7,5 | 15,0 |
| C $\pm 0,5$ (mm) | | | | |

Standard Length 18~26mm (Size by Size)

Short Lead 4,5mm

d $\pm 0,05$ (mm)

d = 0,8mm

**Double sided metallized
polypropylene film capacitor
Box**

Part No.: **I42001**

| | | | | | | | | | | |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|-----------|
| DRW: | Jason | CHKD | Wilson | MATL: | Wilson | TOLERANCE | Mason | DATE | 25.05.2011 | Customer: |
| APPD: | Schumi | | | FINISH | Jamy | | Sheet No. | 2 from 4 | | |

EDCON-COMPONENTS



Ordering Informations

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

| | | | | | | | | | | |
|---------------|------------|----------|------------|----------|----------|----------|-----------|----------|-----------|--|
| I42001 | 224 | M | 251 | A | 6 | N | LL | R | BU | |
|---------------|------------|----------|------------|----------|----------|----------|-----------|----------|-----------|--|

| | | | | | | | | |
|--------------------|------------------------|--------------------|-------------------------------|------------------|-----------------------|---------------------------------|----------------------------|-------------------------------|
| 224= 0,22µf | M= 20% Standard | 251= 250VDC | 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% | | | | | | | |

Double sided metallized polypropylene film capacitor Box

Part No.: **I42001**

| | | | | | | | | | |
|-------|--------|------|--------|--------|--------|-----------|-----------|------|------------|
| DRW: | Jason | CHKD | Wilson | MATL: | Wilson | TOLERANCE | Mason | DATE | 25.05.2011 |
| APPD: | Schumi | | | FINISH | Jamy | | Sheet No. | | 3 from 4 |

Customer:



Soldering Profile Curve

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



| | |
|---|---------------|
| Double sided metallized polypropylene film capacitor Box | |
| Part No.: | I42001 |
| Customer: | |

| | | | | | | | | | |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|
| DRW: | Jason | CHKD | Wilson | MATL: | Wilson | TOLERANCE | Mason | DATE | 25.05.2011 |
| APPD: | Schumi | | | FINISH | Jamy | | Sheet No. | 4 from 4 | |