



DATA SHEET

Metallized polyester film capacitor Box-Type

Serie: I43001

Code / Range **682= 0,0068 μ f**

Code / Volt **630= 63VDC**

Width **7,2 mm**

Height **6,5 mm**

Thickness **2,5 mm**

Pitch **5,0 mm**

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

Metallized polyester film, stacked construction
 Plastic case (UL94V-0), Epoxy resin sealing
 High dv/dt ability

Applications

By-passing, blocking, coupling decoupling
 Pulse logic, timing, oscillator circuits
 Invert for LCD monitors, automotive DC motor suppression

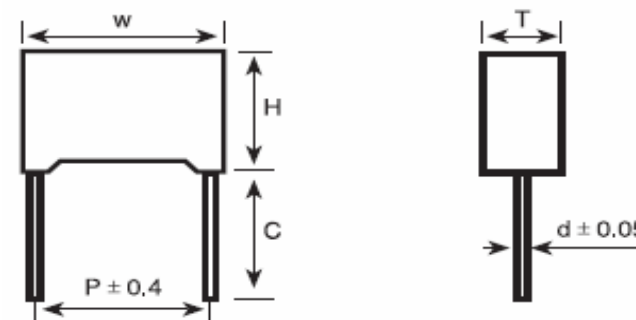
Specifications

| | | | |
|-----------------------------------|--|------------------------------------|------------------------|
| Reference Standard | GB/T 7332 (IEC 60384-2) | | |
| Climatic Category | 55/125/56 | | |
| Rated Temperature | +85°C | | |
| Operating Temperature Range | -55°C ~ +125°C | | |
| | (+85°C to +125°C ; decreasing factor 1,25% per °C for V _R (dc)) | | |
| Rated Voltage | 63, 100, 250, 400, 500, 630, 700Volt | | |
| Capacitance Range | 0,0010 ~ 2,2μF | | |
| Voltage Proof (Between Terminals) | 1.60U _R (5s) | | |
| Capacitance Tolerance | J=5% , K=10%, M=20% | | |
| Dissipation Factor | Frequency | C _R ≤ 0,1μF | C _R > 0,1μF |
| | 1kHz | ≤ 1,0% | ≤ 1,0% |
| | 10kHz | ≤ 1,5% | ≤ 1,5% |
| | 100kHz | ≤ 3,0% | ---- |
| Insulation Resistance | U _R > 100V | ≥ 30000MΩ, C _R ≤ 0,33μF | (20°C, 100V, 1min) |
| | | ≥ 10000MΩ, C _R > 0,33μF | |
| | U _R ≤ 100V | ≥ 15000MΩ, C _R ≤ 0,33μF | (20°C, 10V, 1min) |
| | | ≥ 5000s, C _R > 0,33μF | |

Maximum Pulse Rise Time

| U _R (V) | dV/dt (V/μs) A-Case | dV/dt (V/μs) B-Case |
|--------------------|---------------------|---------------------|
| 63V | 250 | 75 |
| 100 | 300 | 85 |
| 250 | 400 | 100 |
| 400 | 600 | 150 |
| 500 | 700 | 200 |
| 630 | 800 | 200 |
| 700 | ---- | 250 |

Dimensions



Case Dimension table

| Case Code | W ±0,4 (mm) | H ±0,4 (mm) | T ±0,4 (mm) | P (mm) |
|-----------|-------------|-------------|-------------|--------|
| A | 7,2 | 6,5 | 2,5 | 5,0 |

C ±0,5 (mm)

Standard Length 18~22mm (Size by Size)

Short Lead 4,5mm

d ±0,05 (mm)

d = 0,5mm

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EDCON-COMPONENTS



Ordering Informations

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

| | | | | | | | | | | |
|---------------|---|------------|----------|------------|----------|----------|----------|-----------|----------|-----------|
| I43001 | - | 682 | M | 630 | A | 2 | N | LL | R | BU |
|---------------|---|------------|----------|------------|----------|----------|----------|-----------|----------|-----------|

| | | | | | | | | |
|-------------------------|--|-------------------|----------------------------------|-----------------|--------------------------|---|---|---|
| 682= 0,0068µf | M= 20% Standard K= 10% J= 5% | 630= 63VDC | A= look Case Dimension | 2= 5,0mm | 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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