



# DATA SHEET

**Metallized polyester film capacitor Box-Type**

**Serie: I44002**

Code / Range **105= 1,0 $\mu$ f**

Code / Volt **101= 100VDC**

Width **13,0 mm**

Height **11,0 mm**

Thickness **5,0 mm**

Pitch **10,0 mm**

**Metallized polyester film  
capacitor Box-Type**

Serie No.: **I44002**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	08.06.2011	Customer:
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## Features

- High reliability
- Metallized Polyester film, non-inductive wound construction
- Plastic case (UL94V-0) Epoxy resin sealing

## Applications

- By-passing, blocking, coupling decoupling
- Pulse logic, timing, oscillator circuits
- Interference suppression in low voltage application ( i.e. automotive)

## Specifications

Reference Standard	GB/T 7332 (IEC 60384-2)		
Climatic Category	55/105/56		
Rated Temperature	+85°C		
Operating Temperature Range	-55°C ~ +105°C		
	(+85°C to +105°C ; decreasing factor 1,25% per °C for V <sub>R</sub> (dc)		
Rated Voltage	63, 100, 160, 250, 400, 630 Volt		
Capacitance Range	0,0033 ~ 33µF		
Voltage Proof (Between Terminals)	1.60U <sub>R</sub> (5s)		
Capacitance Tolerance	J=5% , K=10%, M=20%		
Dissipation Factor	Frequency	C <sub>R</sub> ≤ 0,1µF	C <sub>R</sub> > 0,1µF
	1kHz	≤ 1,0%	≤ 1,0%
	10kHz	≤ 1,5%	≤ 1,5%
	100kHz	≤ 3,0%	----
Insulation Resistance	U <sub>R</sub> > 100V	≥ 30000MΩ, C <sub>R</sub> ≤ 0,33µF	(20°C, 100V, 1min)
		≥ 10000MΩ, C <sub>R</sub> > 0,33µF	
	U <sub>R</sub> ≤ 100V	≥ 15000MΩ, C <sub>R</sub> ≤ 0,33µF	(20°C, 10V, 1min)
		≥ 5000s, C <sub>R</sub> > 0,33µF	

## Maximum Pulse Rise Time

U <sub>R</sub> (V)	dV/dt (V/µs) A-Case					
	Pitch	7,5	10	15	22,5	27,5
63	7,5	6	3	2	1	
100	15	9	5	3	2	
250	30	20	12	8	5	
400	40	30	20	10	7	
630	50	40	25	12	-	

## Dimensions



## Case Dimension table

Case Code	W ±0,4 (mm)	H ±0,4 (mm)	T ±0,4 (mm)	P (mm)
<b>A</b>	13,0	11,0	5,0	10,0

C ±0,5 (mm)

Standard Length 18~22mm (Size by Size)

Short Lead 4,5mm

d ±0,05 (mm)

d = 0,6mm

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## Ordering Informations

Serie	Range	Tolerance	Voltage	Case Code	Pitch Code	Lead Style	Lead Length (C)	ROHS	Packing Code	
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<b>I44002</b>	<b>105</b>	<b>M</b>	<b>101</b>	<b>A</b>	<b>4</b>	<b>N</b>	<b>LL</b>	<b>R</b>	<b>BU</b>	
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<b>105=</b> 1,0µf	<b>M=</b> 20% Standard	<b>101=</b> 100VDC	<b>A=</b> look Case Dimension	<b>4=</b> 10,0mm	<b>N=</b> No function	<b>LL=</b> Long Lead (Standard)	<b>R=</b> ROHS Conform	<b>BU=</b> Bulk Ware
	<b>K=</b> 10%							
	<b>J=</b> 5%					<b>IV=</b> Individual Package		

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Soldering Profile Curve

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



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APPD:	Schumi			FINISH	Jamy		Sheet No.	4 from 4	