



# DATA SHEET

**Metallized polyester film capacitor Box-Type**

**Serie: I43001**

Code / Range **274= 0,27 $\mu$ f**

Code / Volt **630= 63VDC**

Width **7,2 mm**

Height **9,5 mm**

Thickness **4,5 mm**

Pitch **5,0 mm**

**Metallized polyester film  
capacitor Box-Type**

Serie No.: **I43001**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	25.05.2011	Customer:
APPD:	Schumi			FINISH	Jamy		Sheet No.	1 from 4		

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## 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

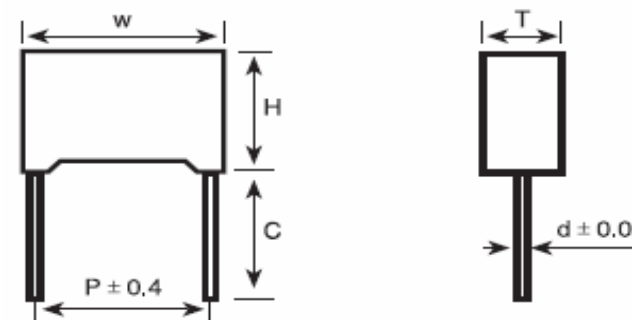
## Specifications

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 <sub>R</sub> (dc))		
Rated Voltage	63, 100, 250, 400, 500, 630, 700Volt		
Capacitance Range	0,0010 ~ 2,2μF		
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	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)
<b>A</b>	7,2	9,5	4,5	5,0

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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[www.edcon-components.com](http://www.edcon-components.com)

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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>I43001</b>	-	<b>274</b>	<b>M</b>	<b>630</b>	<b>A</b>	<b>2</b>	<b>N</b>	<b>LL</b>	<b>R</b>	<b>BU</b>
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<b>274=</b> 0,27µf	<b>M=</b> 20% Standard <b>K=</b> 10% <b>J=</b> 5%	<b>630=</b> 63VDC	<b>A=</b> look Case Dimension	<b>2=</b> 5,0mm	<b>N=</b> No function	<b>LL=</b> Long Lead (Standard) <b>45=</b> Lead Length 4,5mm	<b>R=</b> ROHS Conform <b>N=</b> NON ROHS Conform	<b>BU=</b> Bulk Ware <b>TB=</b> Tape Box <b>IV=</b> Individual Package
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Soldering Profile Curve

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



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