



# DATA SHEET

**Double sided metallized polypropylene film capacitor Box**

**Serie: I42003**

Code / Range **103= 0,010µf**

Code / Volt **631= 630VDC**

Width **13,0 mm**

Height **11,0 mm**

Thickness **5,0 mm**

Pitch **10,0 mm**

**Double sided metallized  
polypropylene film capacitor  
Box**

Serie No.: **I42003**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	26.05.2011	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 $\mu$ 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)
<b>A</b>	13,0	11,0	5,0	10,0
C $\pm 0,5$ (mm)				

Standard Length 18~26mm (Size by Size)

Short Lead 4,5mm

d  $\pm 0,05$  (mm)

d = 0,6mm

**Double sided metallized  
polypropylene film capacitor  
Box**

Part No.: **I42003**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	26.05.2011
APPD:	Schumi			FINISH	Jamy		Sheet No.		2 from 4

Customer:

# EDCON-COMPONENTS



## Ordering Informations

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

<b>I42003</b>	-	<b>103</b>	<b>M</b>	<b>631</b>	<b>A</b>	<b>4</b>	<b>N</b>	<b>LL</b>	<b>R</b>	<b>BU</b>
---------------	---	------------	----------	------------	----------	----------	----------	-----------	----------	-----------

<b>103</b> = 0,010µf	<b>M</b> = 20% Standard	<b>631</b> = 630VDC	<b>A</b> = look Case Dimension	<b>4</b> = 10,0mm	<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>K</b> = 10%							<b>TB</b> = Tape Box
	<b>J</b> = 5%							<b>IV</b> = Individual Package
	<b>H</b> = 3%							
	<b>G</b> = 2%							

**Double sided metallized polypropylene film capacitor Box**

Part No.: **I42003**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	26.05.2011
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.: **I42003**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	26.05.2011
APPD:	Schumi			FINISH	Jamy		Sheet No.	4 from 4	Customer: