



# DATA SHEET

**Double sided metallized polypropylene film capacitor Box**

**Serie: I42004**

Code / Range **182= 0,0018 $\mu$ f**

Code / Volt **102= 1000VDC**

Width **10,5 mm**

Height **11,0 mm**

Thickness **5,0 mm**

Pitch **7,5 mm**

**Double sided metallized  
polypropylene film capacitor  
Box**

Serie No.: **I42004**

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	$\geq 50000M\Omega$ $C_R \leq 0,33\mu F$	(20°C, 100V, 1min)
	$\geq 15000s$ $C_R > 0,33\mu F$	

## 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>	10,5	11,0	5,0	7,5
C $\pm 0,5$ (mm)				

Standard Length 18~26mm (Size by Size)

Short Lead 4,5mm

d  $\pm 0,05$  (mm)

d = 0,6mm

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# EDCON-COMPONENTS



## Ordering Informations

Serie	Range	Tolerance	Voltage	Case Code	Pitch Code	Lead Style	Lead Length (C)	ROHS	Packing Code	
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<b>I42004</b>	<b>182</b>	<b>M</b>	<b>102</b>	<b>A</b>	<b>3</b>	<b>N</b>	<b>LL</b>	<b>R</b>	<b>BU</b>	
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<b>182=</b> 0,0018µf	<b>M=</b> 20% Standard	<b>102=</b> 1000VDC	<b>A=</b> look Case Dimension	<b>3=</b> 7,5mm	<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>45=</b> Lead Length 4,5mm								<b>N=</b> NON ROHS Conform	<b>TB=</b> Tape Box	
<b>J=</b> 5%											<b>IV=</b> Individual Package
<b>H=</b> 3%											
<b>G=</b> 2%											

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Soldering Profile Curve

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



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