



# DATA SHEET

## Metallized polypropylene film capacitor Box-Type

### Serie: I39002

Code / Range **185= 1,8 $\mu$ f**

Code / Volt **521= 520VAC**

Width **32,0 mm**

Height **20,0 mm**

Thickness **11,0 mm**

Pitch **27,5 mm**

**Metallized polypropylene film  
capacitor Box-Type**

Serie No.: **I39002**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	16.05.2011	Customer:
APPD:	Schumi			FINISH	Jamy		Sheet No.	1 from 4		

# EDCON-COMPONENTS



## Features

- Metallized polypropylene structure
- excellent electric property
- Plastic case (UL94V-0), Epoxy resin sealing



Here:  $V_1 \geq 0$ ,  $V_2 \leq U_R$ ,  $V_{rms} = (V_2 - V_1) \div \sqrt{2}$ ,  $i_{rms} = 2\pi f \times C \times (V_2 - V_1) \div \sqrt{2}$   
 $U_R$  is the rated voltage of the capacitor

## Dimensions



## Specifications

Reference Standard	GB/T 10190 (IEC 60384-16)		
Climatic Category	40/105/56		
Rated Temperature	+85°C		
Operating Temperature Range	-40°C ~ +105°C (+85°C to +105°C ; decreasing factor 1,25% per °C for $V_R$ (dc))		
Rated Voltage	450VDC	520VDC	630VDC
Capacitance Range	0,068~8,2µF	0,047~6,8µF	0,027~3,9µF
Voltage Proof (Between Terminals)	1.60 $U_R$ (5s)		
Capacitance Tolerance	J=5% , K=10% , M=20%		
Dissipation Factor	$\leq 10 \times 10^{-4}$ (1KHz, 20°C)		
Insulation Resistance	CR $\leq$ 0,33µF	$\geq 75 \times 10^3 M\Omega$	(20°C, 100V, 1min.)
	CR $\geq$ 0,33µF	$\geq 30000s$	
Pitch Width	from 10,0mm ~ 27,5mm		

## 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>	32,0	20,0	11,0	27,5

C  $\pm 0,5$  (mm)

Standard Length 18~26mm (Size by Size)

Short Lead 4,5mm

d  $\pm 0,05$  (mm)

d = 0,8mm

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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>I39002</b>	<b>185</b>	<b>M</b>	<b>521</b>	<b>A</b>	<b>B</b>	<b>N</b>	<b>LL</b>	<b>R</b>	<b>BU</b>	
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<b>185=</b> 1,8µf	<b>M=</b> 20% Standard	<b>521=</b> 520VAC	<b>A=</b> look Case Dimension	<b>B=</b> 27,5mm	<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

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Soldering Profile Curve

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



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