



DATA SHEET

Metallized polypropylene film capacitor Box-Type

Serie: I39002

Code / Range **185= 1,8 μ f**

Code / Volt **521= 520VAC**

Width **26,5 mm**

Height **22,0 mm**

Thickness **12,0 mm**

Pitch **22,5 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)
A	26,5	22,0	12,0	22,5

C $\pm 0,5$ (mm)

Standard Length 18~26mm (Size by Size)

Short Lead 4,5mm

d $\pm 0,05$ (mm)

d = 0,8mm

Metallized polypropylene film capacitor Box-Type

Part No.: **I39002**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	16.05.2011
APPD:	Schumi			FINISH	Jamy		Sheet No.		2 from 4

Customer: email: info@edcon-components.com

www.edcon-components.com

EDCON-COMPONENTS



Ordering Informations

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

I39002	185	M	521	A	9	N	LL	R	BU	
---------------	------------	----------	------------	----------	----------	----------	-----------	----------	-----------	--

185= 1,8µf	M= 20% Standard K= 10% J= 5%	521= 520VAC	A= look Case Dimension	9= 22,5mm	N= No function	LL= Long Lead (Standard) 45= Lead Length 4,5mm	R= ROHS Conform N= NON ROHS Conform	BU= Bulk Ware TB= Tape Box IV= Individual Package
-------------------	---------------------------------------------------------	--------------------	-------------------------------	------------------	-----------------------	-----------------------------------------------------------------	------------------------------------------------------	------------------------------------------------------------------------------

Metallized polypropylene film capacitor Box-Type

Part No.: **I39002**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	16.05.2011
APPD:	Schumi			FINISH	Jamy		Sheet No.		3 from 4

Customer:



Soldering Profile Curve

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



Metallized polypropylene film capacitor Box-Type	
Part No.:	I39002
Customer:	

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