



DATA SHEET

Metallized polypropylene film capacitor Box-Type

Serie: I39002

Code / Range **184= 0,18 μ f**

Code / Volt **521= 520VAC**

Width **17,5 mm**

Height **11,0 mm**

Thickness **5,0 mm**

Pitch **15,0 mm**

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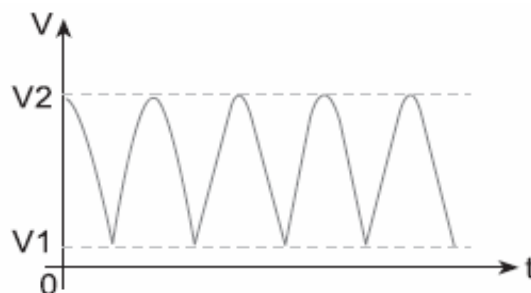
DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	15.05.2011	Customer:
APPD:	Schumi			FINISH	Jamy		Sheet No.	1 from 4		

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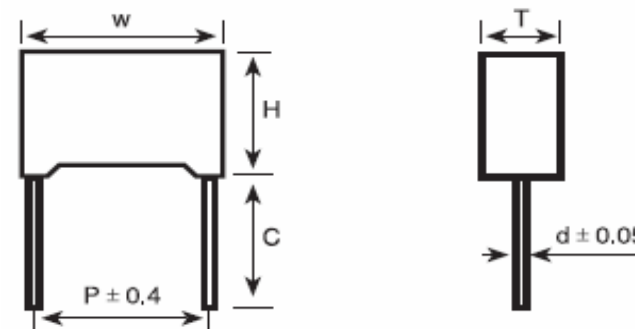
Features

- 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≤0,33µF	≥75x10 ³ MΩ	(20°C, 100V, 1min.)
	CR≥0,33µF	≥30000s	
Pitch Width	from 10,0mm ~ 27,5mm		

Case Dimension table

Case Code	W ±0,4 (mm)	H ±0,4 (mm)	T ±0,4 (mm)	P (mm)
A	17,5	11,0	5,0	15,0

C ±0,5 (mm)

Standard Length 18~26mm (Size by Size)

Short Lead 4,5mm

d ±0,05 (mm)

d = 0,6mm

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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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I39002	184	M	521	A	6	N	LL	R	BU	
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184= 0,18µf	M= 20% Standard	521= 520VAC	A= look Case Dimension	6= 15,0mm	N= No function	LL= Long Lead (Standard)	R= ROHS Conform	BU= Bulk Ware
	K= 10%					45= Lead Length 4,5mm	N= NON ROHS Conform	TB= Tape Box
	J= 5%							IV= Individual Package

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Soldering Profile Curve

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



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