



# DATA SHEET

**Metallized polypropylene film A.C. capacitor for capacitive divider**

**Serie: I38002**

Code / Range **683= 0,068 $\mu$ f**

Code / Volt **251= 250VAC**

Width **17,5 mm**

Height **11,0 mm**

Thickness **5,0 mm**

Pitch **15,0 mm**

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A.C. capacitor for capacitive  
divider**

Serie No.: **I38002**

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

Customer:

# EDCON-COMPONENTS



## Features

This is specifically designed for applications in serial with the main i.e.: capacitive divider, for example, energy meter, LED driver etc.

Metallized polypropylene

Good self-healing properties, withstanding overvoltage stressing

Long stability of capacitance

Good properties in damp environment

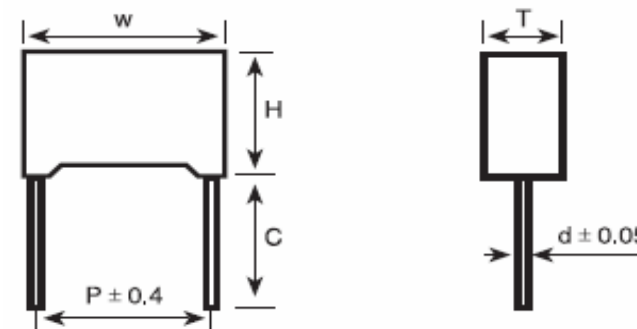
Excellent active and passive flame resistant abilities.

## Dimensions

### Specifications

Referance Standard	GB/T 14579 (IEC 60384-17)			
Climatic Category	55/105/56			
Rated Temperature	+85°C			
Operating Temperature Range	-55°C ~ +105°C			
	(+85°C to +105°C ; decreasing factor 1,25% per °C for V <sub>R</sub> (dc)			
Rated Voltage	230VAC	250VAC	275VAC	
Maximum continious DC voltage	400VDC	560VDC	630VDC	
Capacitance Range	0,033~4,7µF	0,01~4,7µF	0,01~2,2µF	
Voltage Proof (Between Terminals)	640VDC (2s)	900VDC (2s)	1500VDC (2s)	
Capacitance Tolerance	J=5% , K=10%, M=20%			
Disspation Factor	≤ 0,0020 ( 1KHz, 20°C)			
Insulation Resistance	≥ 15000MΩ, C <sub>R</sub> ≤0,33µF			
	≥ 5000s, C <sub>R</sub> ≤0,33µF ( 20°C, 100V, 1min)			
Pitch Width	from 7,5mm ~ 27,5mm			

Note: For long lifetime and continious working, please choose 275VAC and upwards voltage.



### Case Dimension table

Case Code	W ±0,4 (mm)	H ±0,4 (mm)	T ±0,4 (mm)	P (mm)
<b>A</b>	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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<b>I38002</b>	-	<b>683</b>	<b>M</b>	<b>251</b>	<b>A</b>	<b>6</b>	<b>N</b>	<b>LL</b>	<b>R</b>	<b>BU</b>
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<b>683</b> = 0,068µf	<b>M</b> = 20% Standard	<b>251</b> = 250VAC	<b>A</b> = look Case Dimension	<b>6</b> = 15,0mm	<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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