



# DATA SHEET

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

**Serie: I38003**

Code / Range **184= 0,18 $\mu$ f**

Code / Volt **271= 275VAC**

Width **26,5 mm**

Height **17,0 mm**

Thickness **8,5 mm**

Pitch **22,5 mm**

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

Serie No.: **I38003**

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>	26,5	17,0	8,5	22,5

C ±0,5 (mm)

Standard Length 18~26mm (Size by Size)

Short Lead 4,5mm

d ±0,05 (mm)

d = 0,8mm

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

Part No.: **I38003**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	15.05.2011
APPD:	Schumi			FINISH	Jamy		Sheet No.		2 from 4

Customer:

# EDCON-COMPONENTS



## Ordering Informations

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

<b>I38003</b>	-	<b>184</b>	<b>M</b>	<b>271</b>	<b>A</b>	<b>9</b>	<b>N</b>	<b>LL</b>	<b>R</b>	<b>BU</b>
---------------	---	------------	----------	------------	----------	----------	----------	-----------	----------	-----------

<b>184=</b> 0,18µf	<b>M=</b> 20% Standard	<b>271=</b> 275VAC	<b>A=</b> look Case Dimension	<b>9=</b> 22,5mm	<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

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

Part No.: **I38003**

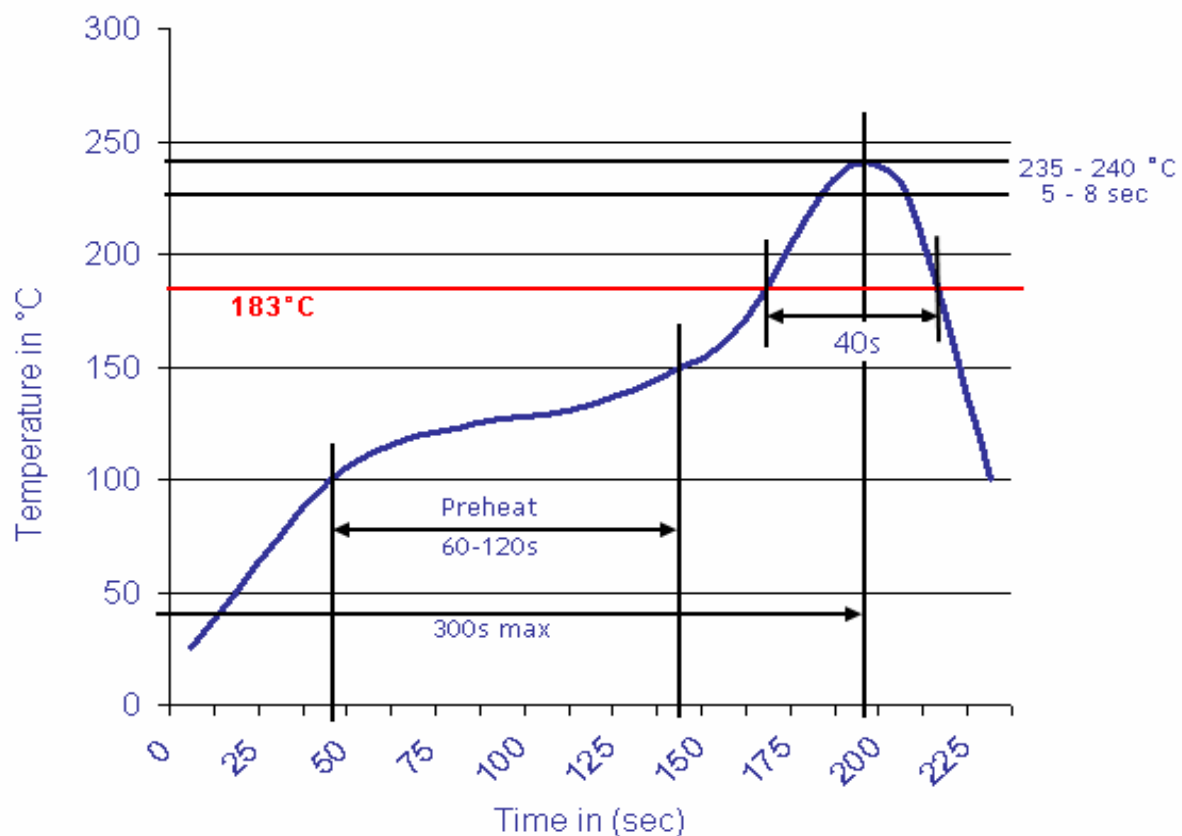
DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	15.05.2011
APPD:	Schumi			FINISH	Jamy		Sheet No.		3 from 4

Customer:



Soldering Profile Curve

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



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

Part No.: **I38003**

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