



DATA SHEET

Metallized polypropylene film A.C. capacitor for capacitive divider

Serie: I38003

Code / Range **103= 0,010 μ f**

Code / Volt **271= 275VAC**

Width **17,5 mm**

Height **11,0 mm**

Thickness **5,0 mm**

Pitch **15,0 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 _R (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 _R ≤0,33µF			
	≥ 5000s, C _R ≤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)
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

**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: 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	
-------	-------	-----------	---------	-----------	------------	------------	---------------	------	--------------	--

I38003	-	103	M	271	A	6	N	LL	R	BU
---------------	---	------------	----------	------------	----------	----------	----------	-----------	----------	-----------

103= 0,010µf	M= 20% Standard K= 10% J= 5%	271= 275VAC	A= look Case Dimension	6= 15,0mm	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
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)



**Metalized 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: