



DATA SHEET

Metallized polypropylene film capacitor (Box-Type)

Serie: I37003

Code / Range **183= 0,018 μ f**

Code / Volt **401= 400VDC**

Width **10,5 mm**

Height **9,0 mm**

Thickness **4,0 mm**

Pitch **7,5 mm**

Metallized polypropylene film capacitor (Box-Type)

Serie No.: **I37003**

Customer:

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	14.05.2011
APPD:	Schumi			FINISH	Jamy		Sheet No.	1 from 4	

EDCON-COMPONENTS



Features

- Metallized Polypropylen structure
- Low Loss at high frequency
- Small inherent temperature rise
- Plastic case (UL94V-0), Epoxy resin sealing

Dimensions

Specifications

Reference Standard	GB/T 10190 (IEC 60384-16)
Climatic Category	40/105/21
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	160Vdc(90Vac); 250Vdc(160Vac); 400Vdc(220Vac); 630Vdc(250Vac); 1000Vdc(400Vac); 1600Vdc(600Vac); 2000Vdc(700Vac)
Capacitance Range	0,00056µF ~ 15,0µF
Capacitance Tolerance	J=5% , K=10%, N=15%
Voltage Proof	2000VAC (60s)
Dissipation Factor	≤ 0,0020 (1KHz, 20°C)
Insulation Resistance	≥ 3000s (20°C, 100V, 1Min)
Pitch Width	from 5,0mm ~ 27,5mm



Case Dimension table

Case Code	W ±0,4 (mm)	H ±0,4 (mm)	T ±0,4 (mm)	P (mm)
A	10,5	9,0	4,0	7,5

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 capacitor (Box-Type)

Part No.: **I37003**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	14.05.2011	Customer:
APPD:	Schumi			FINISH	Jamy		Sheet No.	2 from 4		

EDCON-COMPONENTS



Ordering Informations

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

I37003	-	183	M	401	A	3	N	LL	R	BU
---------------	---	------------	----------	------------	----------	----------	----------	-----------	----------	-----------

183 = 0,018µf	M = 20% Standard	401 = 400VDC	A = look Case Dimension	3 = 7,5mm	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
	H = 3%							
	G = 2%							

Metallized polypropylene film capacitor (Box-Type)

Part No.: **I37003**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	14.05.2011
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.:	I37003
Customer:	

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	14.05.2011
APPD:	Schumi			FINISH	Jamy		Sheet No.	4 from 4	