



# DATA SHEET

**Double sided metallized polypropylene film capacitor Box**

**Serie: I41003**

Code / Range **183= 0,018 $\mu$ f**

Code / Volt **401= 400VAC**

Width **17,5 mm**

Height **13,5 mm**

Thickness **7,5 mm**

Pitch **15,0 mm**

**Double sided metallized  
polypropylene film capacitor  
Box**

Serie No.: **I41003**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	11.06.2011	Customer:
APPD:	Schumi			FINISH	Jamy		Sheet No.	1 from 4		

# EDCON-COMPONENTS



## Features

- Doublesided metallized polypropylen structure
- Low loss and small inherent temperature rise
- Negative temperature coefficient of capacitance
- Excellent active and passive flame resistance circuit

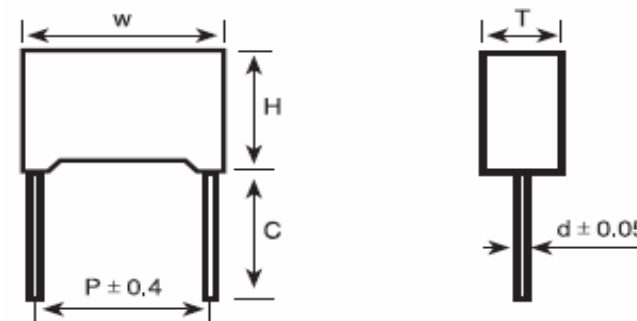
## Applications

Pulse application with high . AC. voltage and HIGH current  
electronic lighting ( i.e. car headlamp and lighting ballast )

## Specifications

Referance Standard	GB/T 14579 (IEC 60384-17)	
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 <sub>R</sub> (dc) (+75°C to +105°C: decreasing factor 1,35% per °C for V <sub>R</sub> (ac)	
Rated Voltage	250Vac ( 630Vdc), 300Vac(800Vdc)	
	400Vac ( 1000Vdc), 500Vac(1600Vdc)	
	700Vac ( 2000Vdc), 900Vac(2500Vdc)	
Capacitance Range	0,00022 ~ 0,12µF	
Voltage Proof (Between Terminals)	1.60U <sub>R</sub> (5s)	
Capacitance Tolerance	G=2%, H=3%, J=5% , K=10%, M=20%	
Disspation Factor	≤ 0,0010 (1kHz, 20°C)	
Insulation Resistance	≥ 50000MΩ C <sub>R</sub> ≤0,33µF	(20°C, 100V, 1min
	≥ 15000s C <sub>R</sub> >0,33µF	

## Dimensions



## Case Dimension table

Case Code	W ±0,4 (mm)	H ±0,4 (mm)	T ±0,4 (mm)	P (mm)
<b>A</b>	17,5	13,5	7,5	15,0
C ±0,5 (mm)				

Standard Length 18~26mm (Size by Size)

Short Lead 4,5mm

d ±0,05 (mm)

d= 0,8mm

**Double sided metallized  
polypropylene film capacitor  
Box**

Part No.: **I41003**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	11.06.2011	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	
-------	-------	-----------	---------	-----------	------------	------------	-----------------	------	--------------	--

<b>I41003</b>	-	<b>183</b>	<b>M</b>	<b>401</b>	<b>A</b>	<b>6</b>	<b>N</b>	<b>LL</b>	<b>R</b>	<b>BU</b>
---------------	---	------------	----------	------------	----------	----------	----------	-----------	----------	-----------

<b>183</b> = 0,018µf	<b>M</b> = 20% Standard	<b>401</b> = 400VAC	<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
	<b>H</b> = 3%							
	<b>G</b> = 2%							

**Double sided metallized polypropylene film capacitor Box**

Part No.: **I41003**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	11.06.2011
APPD:	Schumi			FINISH	Jamy		Sheet No.		3 from 4

Customer:



Soldering Profile Curve

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



<b>Double sided metallized polypropylene film capacitor Box</b>	
Part No.:	<b>I41003</b>
Customer:	

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	11.06.2011
APPD:	Schumi			FINISH	Jamy		Sheet No.	4 from 4	