



DATA SHEET

Double sided metallized polypropylene film capacitor Box

Serie: I42003

Code / Range **105= 1,0 μ f**

Code / Volt **631= 630VDC**

Width **32,0 mm**

Height **33,0 mm**

Thickness **18,0 mm**

Pitch **27,5 mm**

**Double sided metallized
polypropylene film capacitor
Box**

Serie No.: **I42003**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	26.05.2011	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

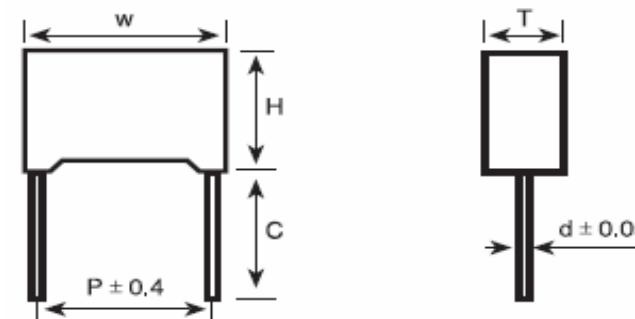
Applications

- widely used in high voltage, high frequency and pulse circuit
- Deflection circuits in TV-sets (S-correction and fly back tuning) and monitors
- Lamp capacitor for electronic ballast and compact lamps
- SNUBBER and SCR commutating circuits

Specifications

Reference Standard	GB/T 10190 (IEC 60384-16)	
Climatic Category	40/105/56	
Rated Temperature	. +85°C for $V_R(dc)$; 75°C for $V_R(ac)$	
Operating Temperature Range	. -40°C ~ +105°C (+85°C to +105°C ; decreasing factor 1,25% per °C for $V_R(dc)$ (+75°C to +105°C: decreasing factor 1,35% per °C for $V_R(ac)$)	
Rated Voltage	250V, 400V, 630V, 1000V, 1600V, 2000V	
Capacitance Range	0,00022 ~ 3,9 μ F	
Voltage Proof (Between Terminals)	1.60 U_R (5s)	
Capacitance Tolerance	G=2%, H=3%, J=5% , K=10%, M=20%	
Dissipation Factor	$\leq 0,0010$ (1kHz, 20°C)	
Insulation Resistance	$\geq 50000M\Omega$ $C_R \leq 0,33\mu F$ $\geq 15000s$ $C_R > 0,33\mu F$	(20°C, 100V, 1min)

Dimensions



Case Dimension table

Case Code	W $\pm 0,4$ (mm)	H $\pm 0,4$ (mm)	T $\pm 0,4$ (mm)	P (mm)
A	32,0	33,0	18,0	27,5
C $\pm 0,5$ (mm)				

Standard Length 18~26mm (Size by Size)

Short Lead 4,5mm

d $\pm 0,05$ (mm)

d = 0,8mm

**Double sided metallized
polypropylene film capacitor
Box**

Part No.: **I42003**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	26.05.2011
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	
-------	-------	-----------	---------	-----------	------------	------------	-----------------	------	--------------	--

I42003	105	M	631	A	B	N	LL	R	BU	
---------------	------------	----------	------------	----------	----------	----------	-----------	----------	-----------	--

105 = 1,0µf	M = 20% Standard	631 = 630VDC	A = look Case Dimension	B = 27,5mm	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
	K = 10%							
	J = 5%							
	H = 3%							
	G = 2%							

Double sided metallized polypropylene film capacitor Box

Part No.: **I42003**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	26.05.2011
APPD:	Schumi			FINISH	Jamy		Sheet No.	3 from 4	Customer:



Soldering Profile Curve

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



**Double sided metallized
polypropylene film capacitor
Box**

Part No.: **I42003**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	26.05.2011	Customer:
APPD:	Schumi			FINISH	Jamy		Sheet No.	4 from 4		