



# DATA SHEET

**Metallized polyester film capacitor Box-Type**

**Serie: I44005**

Code / Range **153= 0,015 $\mu$ f**

Code / Volt **631= 630VDC**

Width **13,0 mm**

Height **9,0 mm**

Thickness **4,0 mm**

Pitch **10,0 mm**

**Metallized polyester film  
capacitor Box-Type**

Serie No.: **I44005**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	08.06.2011	Customer:
APPD:	Schumi			FINISH	Jamy		Sheet No.	1 from 4		

# EDCON-COMPONENTS



## Features

- High reliability
- Metallized Polyester film, non-inductive wound construction
- Plastic case (UL94V-0) Epoxy resin sealing

## Applications

- By-passing, blocking, coupling decoupling
- Pulse logic, timing, oscillator circuits
- Interference suppression in low voltage application ( i.e. automotive)

## Specifications

Reference Standard	GB/T 7332 (IEC 60384-2)		
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	63, 100, 160, 250, 400, 630 Volt		
Capacitance Range	0,0033 ~ 33µF		
Voltage Proof (Between Terminals)	1.60U <sub>R</sub> (5s)		
Capacitance Tolerance	J=5% , K=10%, M=20%		
Dissipation Factor	Frequency	C <sub>R</sub> ≤ 0,1µF	C <sub>R</sub> > 0,1µF
	1kHz	≤ 1,0%	≤ 1,0%
	10kHz	≤ 1,5%	≤ 1,5%
	100kHz	≤ 3,0%	----
Insulation Resistance	U <sub>R</sub> > 100V	≥ 30000MΩ, C <sub>R</sub> ≤ 0,33µF	(20°C, 100V, 1min)
		≥ 10000MΩ, C <sub>R</sub> > 0,33µF	
	U <sub>R</sub> ≤ 100V	≥ 15000MΩ, C <sub>R</sub> ≤ 0,33µF	(20°C, 10V, 1min)
		≥ 5000s, C <sub>R</sub> > 0,33µF	

## Maximum Pulse Rise Time

U <sub>R</sub> (V)	dV/dt (V/µs) A-Case					
	Pitch	7,5	10	15	22,5	27,5
63	7,5	6	3	2	1	
100	15	9	5	3	2	
250	30	20	12	8	5	
400	40	30	20	10	7	
630	50	40	25	12	-	

## Dimensions



## Case Dimension table

Case Code	W ±0,4 (mm)	H ±0,4 (mm)	T ±0,4 (mm)	P (mm)
<b>A</b>	13,0	9,0	4,0	10,0

C ±0,5 (mm)

Standard Length 18~22mm (Size by Size)

Short Lead 4,5mm

d ±0,05 (mm)

d = 0,6mm

**Metallized polyester film capacitor Box-Type**

Part No.: **I44005**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	08.06.2011	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>I44005</b>	-	<b>153</b>	<b>M</b>	<b>631</b>	<b>A</b>	<b>4</b>	<b>N</b>	<b>LL</b>	<b>R</b>	<b>BU</b>
---------------	---	------------	----------	------------	----------	----------	----------	-----------	----------	-----------

<b>153</b> = 0,015µf	<b>M</b> = 20% Standard	<b>631</b> = 630VDC	<b>A</b> = look Case Dimension	<b>4</b> = 10,0mm	<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

**Metallized polyester film  
capacitor Box-Type**

Part No.: **I44005**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	08.06.2011
APPD:	Schumi			FINISH	Jamy		Sheet No.		3 from 4

Customer:



Soldering Profile Curve

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



**Metallized polyester film capacitor Box-Type**

Part No.: **I44005**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	08.06.2011
APPD:	Schumi			FINISH	Jamy		Sheet No.	4 from 4	

Customer: