



# DATA SHEET

**Metallized polyester film capacitor Box-Type**

**Serie: I44003**

Code / Range **685= 6,8 $\mu$ f**

Code / Volt **251= 250VDC**

Width **32,0 mm**

Height **22,0 mm**

Thickness **13,0 mm**

Pitch **27,5 mm**

**Metallized polyester film  
capacitor Box-Type**

Serie No.: **I44003**

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)

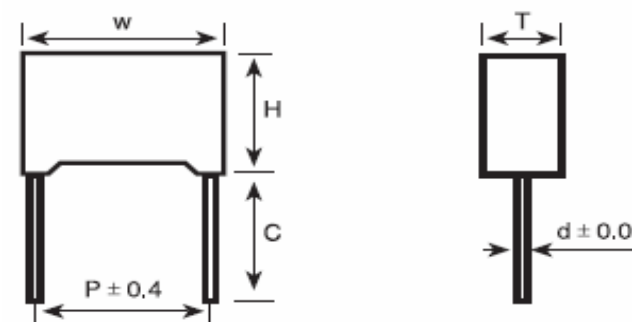
## Specifications

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>	32,0	22,0	13,0	27,5

C ±0,5 (mm)

Standard Length 18~22mm (Size by Size)

Short Lead 4,5mm

d ±0,05 (mm)

d = 0,8mm

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# EDCON-COMPONENTS



## Ordering Informations

Serie	Range	Tolerance	Voltage	Case Code	Pitch Code	Lead Style	Lead Length (C)	ROHS	Packing Code	
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<b>I44003</b>	<b>685</b>	<b>M</b>	<b>251</b>	<b>A</b>	<b>B</b>	<b>N</b>	<b>LL</b>	<b>R</b>	<b>BU</b>	
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<b>685</b> = 6,8µf	<b>M</b> = 20% Standard <b>K</b> = 10% <b>J</b> = 5%	<b>251</b> = 250VDC	<b>A</b> = look Case Dimension	<b>B</b> = 27,5mm	<b>N</b> = No function	<b>LL</b> = Long Lead (Standard) <b>45</b> = Lead Length 4,5mm	<b>R</b> = ROHS Conform <b>N</b> = NON ROHS Conform	<b>BU</b> = Bulk Ware <b>TB</b> = Tape Box <b>IV</b> = Individual Package
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Soldering Profile Curve

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



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