



DATA SHEET

Metallized polyester film capacitor Box-Type

Serie: I44002

Code / Range **684= 0,68 μ f**

Code / Volt **101= 100VDC**

Width **13,0 mm**

Height **9,0 mm**

Thickness **4,0 mm**

Pitch **10,0 mm**

**Metallized polyester film
capacitor Box-Type**

Serie No.: **I44002**

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 _R (dc)		
Rated Voltage	63, 100, 160, 250, 400, 630 Volt		
Capacitance Range	0,0033 ~ 33μF		
Voltage Proof (Between Terminals)	1.60U _R (5s)		
Capacitance Tolerance	J=5% , K=10%, M=20%		
Dissipation Factor	Frequency	C _R ≤ 0,1μF	C _R > 0,1μF
	1kHz	≤ 1,0%	≤ 1,0%
	10kHz	≤ 1,5%	≤ 1,5%
	100kHz	≤ 3,0%	----
Insulation Resistance	U _R > 100V	≥ 30000MΩ, C _R ≤ 0,33μF	(20°C, 100V, 1min)
		≥ 10000MΩ, C _R > 0,33μF	
	U _R ≤ 100V	≥ 15000MΩ, C _R ≤ 0,33μF	(20°C, 10V, 1min)
		≥ 5000s, C _R > 0,33μF	

Maximum Pulse Rise Time

U _R (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)
A	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.: **I44002**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	08.06.2011	Customer:
APPD:	Schumi			FINISH	Jamy		Sheet No.		2 from 4	

www.edcon-components.com

email: info@edcon-components.com

EDCON-COMPONENTS



Ordering Informations

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

I44002	684	M	101	A	4	N	LL	R	BU	
---------------	------------	----------	------------	----------	----------	----------	-----------	----------	-----------	--

684= 0,68µf	M= 20% Standard K= 10% J= 5%	101= 100VDC	A= look Case Dimension	4= 10,0mm	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
--------------------	---	--------------------	-------------------------------	------------------	-----------------------	---	--	--

Metallized polyester film capacitor Box-Type	
Part No.:	I44002
Customer:	

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



Soldering Profile Curve

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



Metallized polyester film capacitor Box-Type	
Part No.:	I44002
Customer:	

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