



DATA SHEET

Metallized polyester film capacitor Box-Type

Serie: I44003

Code / Range **683= 0,068 μ f**

Code / Volt **251= 250VDC**

Width **13,0 mm**

Height **9,0 mm**

Thickness **4,0 mm**

Pitch **10,0 mm**

**Metallized polyester film
capacitor Box-Type**

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

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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	
Insulation Resistance	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

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Ordering Informations

Serie	Range	Tolerance	Voltage	Case Code	Pitch Code	Lead Style	Lead Length (C)	ROHS	Packing Code	
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I44003	-	683	M	251	A	4	N	LL	R	BU
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683 = 0,068µf	M = 20% Standard	251 = 250VDC	A = look Case Dimension	4 = 10,0mm	N = No function	LL = Long Lead (Standard)	R = ROHS Conform	BU = Bulk Ware
	K = 10%					45 = Lead Length 4,5mm	N = NON ROHS Conform	TB = Tape Box
	J = 5%							IV = Individual Package

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Soldering Profile Curve

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



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