



DATA SHEET

Metallized polyester film capacitor Box-Type

Serie: I43001

Code / Range **182= 0,0018 μ f**

Code / Volt **630= 63VDC**

Width **7,2 mm**

Height **6,5 mm**

Thickness **2,5 mm**

Pitch **5,0 mm**

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DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	25.05.2011	Customer:
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Features

Metallized polyester film, stacked construction
 Plastic case (UL94V-0), Epoxy resin sealing
 High dv/dt ability

Applications

By-passing, blocking, coupling decoupling
 Pulse logic, timing, oscillator circuits
 Invert for LCD monitors, automotive DC motor suppression

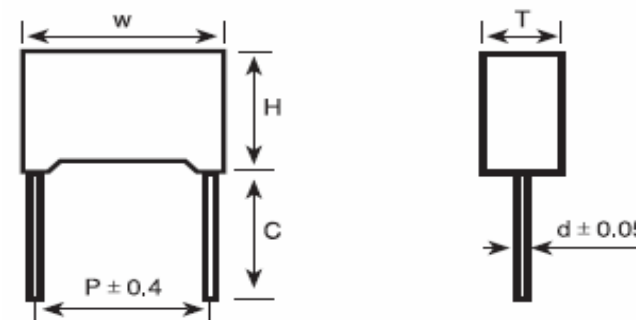
Specifications

Reference Standard	GB/T 7332 (IEC 60384-2)		
Climatic Category	55/125/56		
Rated Temperature	+85°C		
Operating Temperature Range	-55°C ~ +125°C		
	(+85°C to +125°C ; decreasing factor 1,25% per °C for V _R (dc))		
Rated Voltage	63, 100, 250, 400, 500, 630, 700Volt		
Capacitance Range	0,0010 ~ 2,2μF		
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	dV/dt (V/μs) B-Case
63V	250	75
100	300	85
250	400	100
400	600	150
500	700	200
630	800	200
700	----	250

Dimensions



Case Dimension table

Case Code	W ± 0,4 (mm)	H ± 0,4 (mm)	T ± 0,4 (mm)	P (mm)
A	7,2	6,5	2,5	5,0

C ± 0,5 (mm)

Standard Length 18~22mm (Size by Size)

Short Lead 4,5mm

d ± 0,05 (mm)

d = 0,5mm

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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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I43001	182	M	630	A	2	N	LL	R	BU	
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182= 0,0018µf	M= 20% Standard K= 10% J= 5%	630= 63VDC	A= look Case Dimension	2= 5,0mm	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
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Customer:



Soldering Profile Curve

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



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