



DATA SHEET

Metallized Polyester Film Capacitor BOX-Type

Serie: I18012

Width (mm)	10,5	Range 105= 1,0μf
Height (mm)	12,0	Voltage 101= 100VDC
Thickness (mm)	6,0	
Pitch (mm)	7,5	

**Metallized Polyester Film
Capacitor BOX-Type**

Serie No.: **I18012**

Customer:

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	30.04.2011
APPD:	Schumi			FINISH	Jamy		Sheet No.	1 from 4	

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Applications

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

Features

High reliability
 Metallized polyester Film,
 Non inductive winding construction
 Plastic Case (UL94V-0) epoxy resin

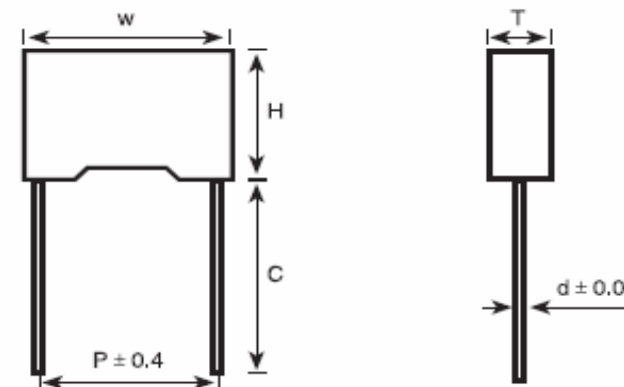
Specifications

Reference Standard	GB/T 7332 (IEC 60384-2)		
Climatic Category	55/105/56		
Rated Voltage	85°C		
Operating Temperature	-55°C ~ 105°C (+85°C ~ +105°C: decreasing factor 1,25% per °C for Vr(dc))		
Rated Voltage	63V, 100V, 160V, 250V, 400V, 630V,		
Capacitance Range	0,00033µF~ 33,0µF		
Capacitance Tolerance	± 5%(J) , ±10%(K), ±20%(M)		
Voltage Proof	1,6Ur (5s)		
Dissipation Factor	Frequency	Cr ≤ 0,1µF	Cr ≤ 0,1µF
	1KHz	≤ 1,0%	≤ 1,0%
	10KHz	≤ 1,5%	≤ 1,5%
	100KHz	≤ 3,0%	

Insulation Resistance	Ur > 100V	≥30000MΩ, CR≤0,33µF ≥10000s, CR≥0,33µF				
	Ur ≤ 100V	≥15000MΩ, CR≤0,33µF (20°C,100V,1min.) ≥5000s, CR≥0,33µF (20°C,10V,1min.)				

Maximum Pulse Rise Time (dV/dt): If the working voltage (U) is lower than the rated voltage (Ur), the capacitor can be worked at a higher dV/dt. In this case, the maximum allowed dV/dt is obtain by multiplying the right value with Ur/U.	Ur(V)	dV/dt (V/µs)				
	Pitch	7,5	10,0	15,0	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 (mm)



Case Size	A
W= ±0,4	10,5
H= ±0,4	12,0
T= ±0,4	6,0
P= ±0,4	7,5

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Ordering Informations

Serie	Range	Tolerance	Voltage	Case Size Code	Lead Length	Special function	ROHS	Packing Code		
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I18012	105	M	101	A	LL	N	R	BU		
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105= 1,0µf	M= 20%	101= 100VDC	A= Look Size Dimension	LL= Long Lead	N= No function	R= ROHS Conform	BU= Bulk Ware		
	K= 10%			L4= 3,50mm				N= NON ROHS Conform	TA= Tape Ammo Pack
	J= 10%							TR= Tape Reel	

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Soldering Profile Curve

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



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