



# DATA SHEET

## Metallized Polyester Film Capacitor BOX-Type

### Serie: I18012

Width (mm)	<b>10,5</b>	Range 185= 1,8 $\mu$ f
Height (mm)	<b>12,0</b>	Voltage 630= 63VDC
Thickness (mm)	<b>6,0</b>	
Pitch (mm)	<b>7,5</b>	

**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	

# EDCON-COMPONENTS



## 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 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.)				

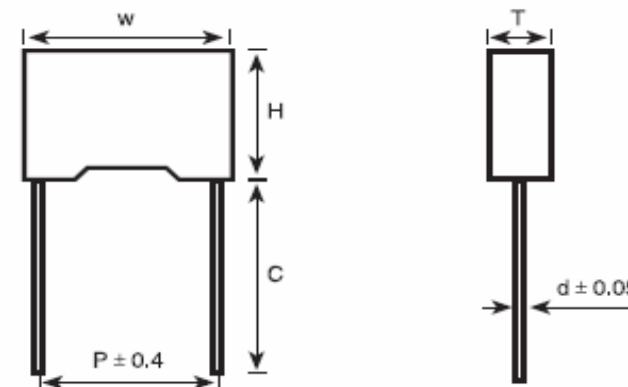
Maximum Pulse Rise Time (dV/dt): If the working voltage (U) is lower than the rated voltage (Ur), the capacitor can be worked at a higher dV/dt. In this case, the maximum allowed dV/dt is obtain by multiplying the right value with Ur/U.

Ur(V) Pitch	dV/dt (V/µs)					
	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	--	

## Features

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

## 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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Part No.: **I18012**

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# EDCON-COMPONENTS



## Ordering Informations

Serie	Range	Tolerance	Voltage	Case Size Code	Lead Length	Special function	ROHS	Packing Code		
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<b>I18012</b>	<b>185</b>	<b>M</b>	<b>630</b>	<b>A</b>	<b>LL</b>	<b>N</b>	<b>R</b>	<b>BU</b>		
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<b>185=</b> 1,8µf	<b>M=</b> 20%	<b>630=</b> 63VDC	<b>A=</b> Look Size Dimension	<b>LL=</b> Long Lead	<b>N=</b> No function	<b>R=</b> ROHS Conform	<b>BU=</b> Bulk Ware
	<b>K=</b> 10%			<b>L4=</b> 3,50mm		<b>N=</b> NON ROHS Conform	<b>TA=</b> Tape Ammo Pack
	<b>J=</b> 10%						<b>TR=</b> Tape Reel

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Soldering Profile Curve

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



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