



DATA SHEET

Metallized Polyester Film Capacitor BOX-Type

Serie: I18014

Width (mm)	17,5	Range 104= 0,10µf
Height (mm)	11,0	Voltage 401= 400VDC
Thickness (mm)	5,0	
Pitch (mm)	15,0	

**Metallized Polyester Film
Capacitor BOX-Type**

Serie No.: **I18014**

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)

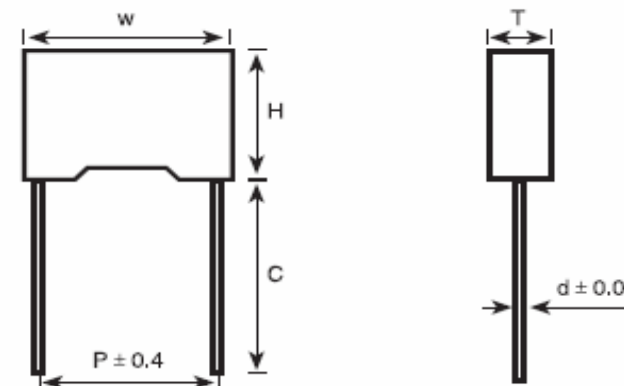
Features

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: decaing 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							
	Ur ≤ 100V	≥15000MΩ, CR≤0,33μF (20°C,100V,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	--			
DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	30.04.2011
APPD:	Schumi			FINISH	Jamy		Sheet No.		2 from 4

Dimensions (mm)



Case Size	A
W= ±0,4	17,5
H= ±0,4	11,0
T= ±0,4	5,0
P= ±0,4	15,0

Metallized Polyester Film Capacitor BOX-Type

Part No.: **I18014**

Customer:

EDCON-COMPONENTS



Ordering Informations

Serie	Range	Tolerance	Voltage	Case Size Code	Lead Length	Special function	ROHS	Packing Code		
-------	-------	-----------	---------	----------------	-------------	------------------	------	--------------	--	--

I18014	-	104	M	401	A	LL	N	R	BU	
---------------	---	------------	----------	------------	----------	-----------	----------	----------	-----------	--

104= 0,10µf	M= 20%	401= 400VDC	A= Look Size Dimension	LL= Long Lead	N= No function	R= ROHS Conform	BU= Bulk Ware
K= 10%	L4= ca. 3,50mm			N= NON ROHS Conform		TA= Tape Ammo Pack	
J= 10%					TR= Tape Reel		

Metallized Polyester Film Capacitor BOX-Type	
Part No.:	I18014
Customer:	

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	30.04.2011
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.:	I18014
Customer:	

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