



# DATA SHEET

**Uncoated Metallized Polyethelene Naphthalate Film Capacitor Stacked Type**

**Serie: I19010**

Code / Range **103= 0,010 $\mu$ f**

Code / Volt **631= 630VDC**

Width **9,0 mm**

Height **6,9 mm**

Thickness **3,9 mm**

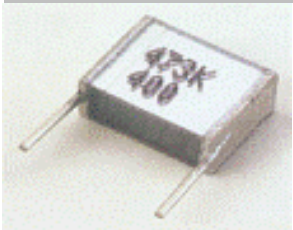
Pitch **7,5 mm**

<b>Uncoated Metallized Polyethelene Naphthalate Film Capacitor Stacked Type</b>	
Serie No.:	<b>I19010</b>

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	11.06.2011
APPD:	Schumi			FINISH	Jamy		Sheet No.		1 from 4

Customer:

# EDCON-COMPONENTS



## Features

High pulse strength  
High reliability  
Operating temperature: -55°C ~ +150°C

## Applications

Widely used in high-power CFL and electrical lighting (i.e, Automotive HID-Lamps)  
DC impulse and pulse circuits ( High temperature condition)

## Specifications

Reference Standard	Q/ 052-2008				
Climatic Category	55/150/56				
Rated Temperature	125°C				
Operating Temperature Range	-55°C ~ +150°C (+125°C to +150°C ; decreasing factor 1,25% per °C for V <sub>R</sub> (dc))				
Rated Voltage	250, 400, 630, 1000Volt				
Capacitance Range	0,0010 ~ 0,22µF				
Voltage Proof (Between Terminals)	1.40U <sub>R</sub> (2s)				
Capacitance Tolerance	J=5% , K=10% , M=20%				
Dissipation Factor	≤ 0,0080 (20°C, 1KHz) ≤ 0,0150 (20°C, 10KHz)				
Insulation Resistance	≥ 10GΩ (20°C, 100V , 1min )				
Maximum Pulse Rise Time dV/dt (V/s)	UR /P(mm)	250V	400V	630V	1000V
	5,0	250	300	2000	3000
	7,5	200	275	1600	2000
	10,0	150	175	1000	1500

## Dimensions



## Case Dimension table

Case Code	W ±0,4 (mm)	H ±0,4 (mm)	T ±0,4 (mm)	P (mm)
<b>A</b>	9,0	6,9	3,9	7,5
C ±0,5 (mm)				
Standard Length 18~22mm (Size by Size)				
Short Lead 4,5mm				

d ±0,05 (mm)

d= 0,6mm

**Uncoated Metallized  
Polyethelene Naphthalate Film  
Capacitor Stacked Type**

Part No.: **I19010**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	11.06.2011
APPD:	Schumi			FINISH	Jamy		Sheet No.		2 from 4

Customer:

# EDCON-COMPONENTS



## Ordering Informations

Serie	Range	Tolerance	Voltage	Case Code	Pitch Code	Lead Style	Lead Length (C)	ROHS	Packing Code	
-------	-------	-----------	---------	-----------	------------	------------	-----------------	------	--------------	--

<b>I19010</b>	<b>103</b>	<b>M</b>	<b>631</b>	<b>A</b>	<b>3</b>	<b>N</b>	<b>LL</b>	<b>R</b>	<b>BU</b>	
---------------	------------	----------	------------	----------	----------	----------	-----------	----------	-----------	--

<b>103</b> = 0,010µf	<b>M</b> = 20% Standard	<b>631</b> = 630VDC	<b>A</b> = look Case Dimension	<b>3</b> = 7,5mm	<b>N</b> = No function	<b>LL</b> = Long Lead (Standard)	<b>R</b> = ROHS Conform	<b>BU</b> = Bulk Ware
	<b>K</b> = 10%							
	<b>J</b> = 5%					<b>IV</b> = Individual Package		

**Uncoated Metallized Polyethelene Naphthalate Film Capacitor Stacked Type**

Part No.: **I19010**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	11.06.2011
APPD:	Schumi			FINISH	Jamy		Sheet No.	3 from 4	Customer:



Soldering Profile Curve

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



<b>Uncoated Metallized Polyethelene Naphthalate Film Capacitor Stacked Type</b>	
Part No.:	<b>I19010</b>

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	11.06.2011
APPD:	Schumi			FINISH	Jamy		Sheet No.	4 from 4	Customer: