



# DATA SHEET

**Uncoated Metallized polyester film capacitor Stacked Type**

**Serie: I19003**

Code / Range **185= 1,8 $\mu$ f**

Code / Volt **251= 250VDC**

Width **16,5 mm**

Height **13,1 mm**

Thickness **7,5 mm**

Pitch **15,0 mm**

**Uncoated Metallized polyester  
film capacitor Stacked Type**

Serie No.: **I19003**

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

# EDCON-COMPONENTS



## Features

Metallized Polyester film, stacked-construction, Uncoated Type  
High impulse and pulse strength

## Applications

DC impulse and pulse circuits  
SMPS, converter, Electronic ballast, compact fluorescent lamps

## Specifications

Reference Standard	GB/T 7332 (IEC 60384-2)							
Climatic Category	55/125/56							
Rated Temperature	(+85°C for $V_R$ (dc)) (+75°C for $V_R$ (ac)) -55°C ~ +125°C							
Operating Temperature Range	(+85°C to +125°C ; decreasing factor 1,25% per °C for $V_R$ (dc))							
Rated Voltage	63, 100, 250, 400, 630, 1000Volt							
Capacitance Range	0,0010 ~ 10 $\mu$ F							
Voltage Proof (Between Terminals)	1.40 $U_R$ (2s)							
Capacitance Tolerance	J=5% , K=10% , M=20%							
Dissipation Factor	$\leq 0,0100$ (1KHz)							
	$\leq 0,0150$ (10KHz, $C_R \leq 1,0\mu$ F)							
	$\leq 0,0300$ (100KHz, $C_R \leq 0,1\mu$ F)							
Insulation Resistance	$U_R > 100V$	$\geq 3750M\Omega$ , $C_R \leq 0,33\mu$ F					(20°C, 100V, 1min)	
		$\geq 1250s$ , $C_R > 0,33\mu$ F						
	$U_R \leq 100V$	$\geq 7500M\Omega$ , $C_R \leq 0,33\mu$ F					(20°C, 10V, 1min)	
		$\geq 2500s$ , $C_R > 0,33\mu$ F						
Maximum Pulse Rise Time $dV/dt(V/\mu s)$	$U_R(Vdc)$	63V	100V	250V	400V	630V	1000V	
	P/mm							
	5,0	120	150	250	300	400	600	
	7,5	120	150	200	275	320	400	
	10,0		75	150	175	-	-	
15,0		50	100	125	150	-		

## Dimensions



## Case Dimension table

Case Code	W $\pm 0,4$ (mm)	H $\pm 0,4$ (mm)	T $\pm 0,4$ (mm)	P (mm)
<b>A</b>	16,5	13,1	7,5	15,0

C  $\pm 0,5$  (mm)

Standard Length 18~22mm (Size by Size)

Short Lead 4,5mm

d  $\pm 0,05$  (mm)

d = 0,6mm

**Uncoated Metallized polyester film capacitor Stacked Type**

Part No.: **I19003**

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

[www.edcon-components.com](http://www.edcon-components.com)

email: [info@edcon-components.com](mailto:info@edcon-components.com)

# EDCON-COMPONENTS



## Ordering Informations

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

<b>I19003</b>	<b>185</b>	<b>M</b>	<b>251</b>	<b>A</b>	<b>6</b>	<b>N</b>	<b>LL</b>	<b>R</b>	<b>BU</b>	
---------------	------------	----------	------------	----------	----------	----------	-----------	----------	-----------	--

<b>185=</b> 1,8µf	<b>M=</b> 20% Standard <b>K=</b> 10% <b>J=</b> 5%	<b>251=</b> 250VDC	<b>A=</b> look Case Dimension	<b>6=</b> 15,0mm	<b>N=</b> No function	<b>LL=</b> Long Lead (Standard) <b>45=</b> Lead Length 4,5mm	<b>R=</b> ROHS Conform <b>N=</b> NON ROHS Conform	<b>BU=</b> Bulk Ware <b>TB=</b> Tape Box <b>IV=</b> Individual Package
-------------------	---	--------------------	-------------------------------	------------------	-----------------------	---	--	--

**Uncoated Metallized polyester film capacitor Stacked Type**

Part No.: **I19003**

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 polyester film capacitor Stacked Type</b>	
Part No.:	<b>I19003</b>
Customer:	

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