



DATA SHEET

450VAC Metallized Polypropylene AC Capacitor

Serie: I36003

Code / Range **185= 1,8 μ f**

Width **36,0 mm**

Height **23,0 mm**

Thickness **13,0 mm**

Pitch **32,5 mm**

**450VAC Metallized
Polypropylene AC Capacitor**

Serie No.: **I36003**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	23.02.2011
APPD:	Schumi			FINISH	Jamy		Sheet No.		1 from 5

Customer:

EDCON-COMPONENTS



Features

- Widely applied to starting and running of AC single-phase motors at 50/60Hz frequency
- Self-healing property
- Extremely stable performance and reliability

Dimensions



Safety Approvals

	EN 60252-1 2001 A.C. motor capacitors. (1) 0,1μF ~ 9,5μF 450VAC/500VAC 50/60Hz Class C Po or 450VAC 50/60Hz Class B Po 40/70/21 or 40/85/21 Certificate No. 40004094 (2) 0,5μF~20μF 250VAC 50/0Hz Class C Po 40/70/21 or 40/85/21 Certificate No. 40023507 (3) 0,5μF~20μF 300/350VAC 50/0Hz Class C Po 40/70/21 or 40/85/21 Certificate No. 40023507
	GB/T 3667.1 2005 A.C. motor capacitors (1) 0,1μF ~ 9,5μF 450VAC/500VAC 50/60Hz Class C Po or 450VAC 50/60Hz Class B Po 40/70/21 or 40/85/21 Certificate No. CQC02002001687 (2) 0,5μF~20μF 250VAC 50/0Hz Class C Po 40/70/21 Certificate No. CQC08002024389 (3) 0,5μF~20μF 350VAC 50/0Hz Class C Po 40/85/21 Certificate No. CQC08002024390
	UL 810, CSA, C22.2 No.190 (construction only) 0,1μF ~ 9,5μF 400VAC 500VAC 50/60Hz 0,1μF ~ 20μF 250VAC 350VAC 50/60Hz Certificate No. E 256238
CB Test Certificate	IEC 60252-1 : 2001 (1) 0,5μF ~20μF 250VAC 50/60Hz Class C Po or 40/7021 or 40/85/21 Certificate No. DE1-38953/M1/A1 (2) 0,5μF ~20μF 300/350VAC 50/60Hz Class C Po or 40/7021 or 40/85/21 Certificate No. DE1-38952/M1/A1 (3) 0,1μF ~9,5μF 450/500VAC 50/60Hz Class C Po or 450VAC 50/60Hz Call B Po 40/85/21 or 40/70/21 Certificate No. DE1-42845

Dimension table

Case Code	W ±1 (mm)	H ±1 (mm)	T ±1 (mm)	P (mm)
B	36,0	23,0	13,0	32,5

**450VAC Metallized
Polypropylene AC Capacitor**

Part No.: **I36003**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	23.02.2011	Customer:
APPD:	Schumi			FINISH	Jamy		Sheet No.	2 from 5		

EDCON-COMPONENTS



Specifications

Reference Standard	GB/T 3667.1 (IEC 60252-1)
Rated Voltage	500VAC 50/60Hz
Class of Operation	Class C (Class B for 450VAC)
Capacitance Range	0,1 μ ~ 9,5 μ F
Class of safety protection	Po indicated that the capacitors type has no specific failure protection
Climatic Category	40/70/21 or 40/85/21
Capacitance Tolerance	J=5% , K=10%, N=15%
Voltage proof	Between Terminals 1000VAC (2s) Between Terminals and Case 2000VAC (60s)
Insulation Resistance	$\geq 3000s$ (20°C, 100V, 1Min)
Disspation Factor	$\leq 0,0020$ (1KHz, 20°C)

450VAC Metallized Polypropylene AC Capacitor	
Part No.:	I36003
Customer:	

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	23.02.2011
APPD:	Schumi			FINISH	Jamy		Sheet No.	3 from 5	

EDCON-COMPONENTS



Ordering Informations

Serie	Range	Tolerance	Voltage	Case Code	Lead Style	Lead Length	ROHS	Packing Code		
-------	-------	-----------	---------	-----------	------------	-------------	------	--------------	--	--

I36003	-	185	K	451	B	N	1	R	BU	
---------------	---	------------	----------	------------	----------	----------	----------	----------	-----------	--

185= 1,8µf	K= 10%	451= 450VAC	B= look Dimension table	N= No function	1= 5,00mm	R= ROHS Conform	BU= Bulk Ware
	J= 5%				2= 7,50mm	N= NON ROHS Conform	
					3= 10,0mm		
					4= 12,5mm		
					5= 12,5mm		
					6= 15,0mm		

450VAC Metallized Polypropylene AC Capacitor	
Part No.:	I36003
Customer:	

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	23.02.2011
APPD:	Schumi			FINISH	Jamy		Sheet No.		4 from 5



Soldering Profile Curve

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



**450VAC Metallized
 Polypropylene AC Capacitor**

Part No.: **I36003**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	23.02.2011
APPD:	Schumi			FINISH	Jamy		Sheet No.	5 from 5	Customer: