



# DATA SHEET

## 450VAC Metallized Polypropylene AC Capacitor

### Serie: I36003

Code / Range **205= 2,0 $\mu$ 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.<br>(1) 0,1µF ~ 9,5µF 450VAC/500VAC 50/60Hz Class C Po or 450VAC 50/60Hz Class B Po<br>40/70/21 or 40/85/21 Certificate No. 40004094<br>(2) 0,5µF~20µF 250VAC 50/0Hz Class C Po 40/70/21 or 40/85/21 Certificate No. 40023507<br>(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<br>(1) 0,1µF ~ 9,5µF 450VAC/500VAC 50/60Hz Class C Po or 450VAC 50/60Hz Class B Po<br>40/70/21 or 40/85/21 Certificate No. CQC02002001687<br>(2) 0,5µF~20µF 250VAC 50/0Hz Class C Po 40/70/21 Certificate No. CQC08002024389<br>(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)<br>0,1µF ~ 9,5µF 400VAC 500VAC 50/60Hz<br>0,1µF ~ 20µF 250VAC 350VAC 50/60Hz<br>Certificate No. E 256238   |
| <b>CB Test Certificate</b> | IEC 60252-1 : 2001<br>(1) 0,5µF ~20µF 250VAC 50/60Hz Class C Po or 40/70/21 or 40/85/21 Certificate No. DE1-38953/M1/A1<br>(2) 0,5µF ~20µF 300/350VAC 50/60Hz Class C Po or 40/70/21 or 40/85/21 Certificate No. DE1-38952/M1/A1<br>(3) 0,1µF ~9,5µF 450/500VAC 50/60Hz Class C Po or 450VAC 50/60Hz Call B Po<br>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**

|       |        |      |        |        |        |           |           |          |            |           |
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| 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 $\mu$ ~ 9,5 $\mu$ 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)  |

|   |               |
|---|---------------|
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# EDCON-COMPONENTS



## Ordering Informations

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

|               |   |            |          |            |          |          |          |          |           |  |
|---------------|---|------------|----------|------------|----------|----------|----------|----------|-----------|--|
| <b>I36003</b> | - | <b>205</b> | <b>K</b> | <b>451</b> | <b>B</b> | <b>N</b> | <b>1</b> | <b>R</b> | <b>BU</b> |  |
|---------------|---|------------|----------|------------|----------|----------|----------|----------|-----------|--|

|                   |               |                    |                                |                       |                  |                            |                      |
|-------------------|---------------|--------------------|--------------------------------|-----------------------|------------------|----------------------------|----------------------|
| <b>205=</b> 2,0µf | <b>K=</b> 10% | <b>451=</b> 450VAC | <b>B=</b> look Dimension table | <b>N=</b> No function | <b>1=</b> 5,00mm | <b>R=</b> ROHS Conform     | <b>BU=</b> Bulk Ware |
|                   | <b>J=</b> 5%  |                    |                                |                       | <b>2=</b> 7,50mm | <b>N=</b> NON ROHS Conform |                      |
|                   |               |                    |                                |                       | <b>3=</b> 10,0mm |                            |                      |
|                   |               |                    |                                |                       | <b>4=</b> 12,5mm |                            |                      |
|                   |               |                    |                                |                       | <b>5=</b> 12,5mm |                            |                      |
|                   |               |                    |                                |                       | <b>6=</b> 15,0mm |                            |                      |

|   |               |
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Soldering Profile Curve

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



|   |               |
|---|---------------|
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