



DATA SHEET

450VAC Metallized Polypropylene AC Capacitor

Serie: I36003

Code / Range **144= 0,14 μ f**

Width **26,5 mm**

Height **18,5 mm**

Thickness **10,0 mm**

Pitch **22,5 mm**

**450VAC Metallized
Polypropylene AC Capacitor**

Serie No.: **I36003**

Customer:

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

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 40/70/21 or 40/85/21 Certificate No. DE1-38953/M1/A1 (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 (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) |
|-----------|-----------|-----------|-----------|--------|
| A | 26,5 | 18,5 | 10,0 | 22,5 |

**450VAC Metallized
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Part No.: **I36003**

| | | | | | | | | | | |
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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) |

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EDCON-COMPONENTS



Ordering Informations

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

| | | | | | | | | | | |
|---------------|---|------------|----------|------------|----------|----------|----------|----------|-----------|--|
| I36003 | - | 144 | K | 451 | A | N | 1 | R | BU | |
|---------------|---|------------|----------|------------|----------|----------|----------|----------|-----------|--|

| | | | | | | | |
|--------------------|---------------|--------------------|--------------------------------|-----------------------|------------------|----------------------------|----------------------|
| 144= 0,14µf | K= 10% | 451= 450VAC | A= 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 | | |

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Soldering Profile Curve

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



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