

PTS SERIES

PP can construction with press-fit top cover and straight terminal lead out

Metallised Polypropylene (MPP) Capacitors are film Capacitors, made out of two Al-Zn metallised films with plastic film acting as dielectric. PTS series MPP Capacitors are with press-fit top cover, straight terminal lead out and encapsulated in PP can.

1. SPECIFICATIONS

| | |
|-----------------------|---|
| Series | PTS Series |
| Type | Metalized Polypropylene Motor Run Capacitor |
| Reference Standard | IS2993 : 1998 |
| Rated Voltage | 440 Vac |
| Rated Frequency | 50/60 Hz |
| Climatic Category | -25/85°C/21 |
| Type | MPP-SH |
| Safety Protection | P0 |
| Capacitance Range | 8 to 30 μ F |
| Capacitance Tolerance | \pm 5% |
| Class of Operation | Class C/ Class D |

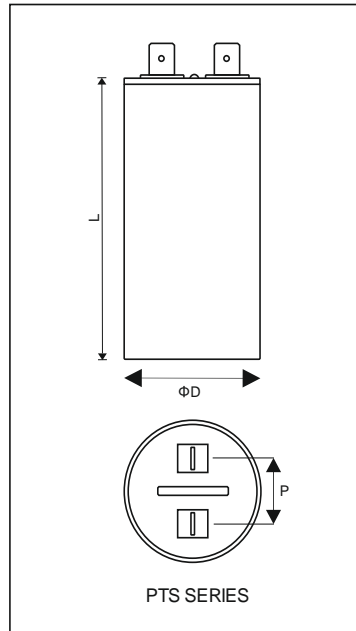
2. OTHER INFORMATION

| | |
|--|----------------------------------|
| Type of packing and Lead configuration | Bulk. Straight terminal lead out |
| Capacitor codification system | Refer section 6 for details |
| Dimensional specification | Refer section 4 for details |
| Marking specification | Refer section 7 for details |

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3. PHYSICAL OUTLINE



All Dimensions are in “mm”

4. DIMENSIONS (All units in mm)

| Case Code | Diameter ØD±2 (mm) | Length L±3 (mm) |
|-----------|-----------------------|--------------------|
| GK | 35 | 71 |
| JK | 40 | 71 |
| LR | 45 | 94 |

5. STANDARD RATING TABLE

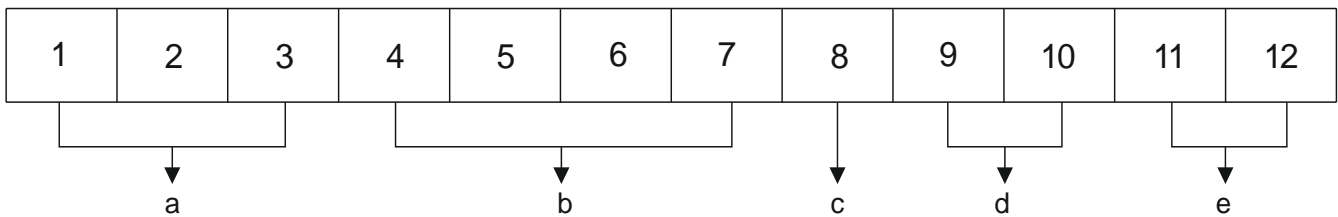
| Part Number | Rating (µF) | Diameter ØD±2 (mm) | Length L±3 (mm) | Case Code | Pitch Length P±0.1 (mm) |
|--------------|----------------|--------------------------|-----------------------|--------------|-------------------------------|
| PTS08R0GGKWC | 8 | 35 | 71 | GK | 13 |
| PTS10R0GGKWC | 10 | 35 | 71 | GK | 13 |
| PTS12R0GJKWC | 12 | 40 | 71 | JK | 13 |
| PTS15R0GJKWC | 15 | 40 | 71 | JK | 13 |
| PTS30R0GLRWC | 30 | 45 | 94 | LR | 13 |

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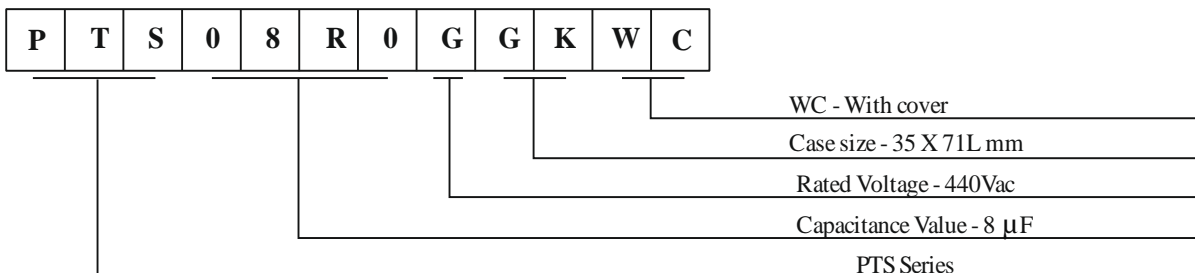
6. CAPACITOR ORDERING INFORMATION

Capacitors are identified with the help of a 12-digit code. Expansion of part Nos are detailed below.



| a | b | c | d | e |
|--|---|-------------------------------------|-----------------------------------|--------------------------|
| Series Code | Capacitance Value Code | Voltage Code | Case Code | Top Cover Details |
| PTS: PP can, Resin Top, Straight termination | Eg: (i) 20 μ F is coded as 20R0 (ii) 2.5 μ F is coded as 02R5 (For the range of Capacitance refer rating table) | A - 110 V B - 230 V G - 440 V | Eg: GK - 35x71 LR - 45 x 94 | WC - With Cover |

Eg: PTS Series 8 μ F/440VAC




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7. MARKING ON THE CAPACITOR

For PTS series MPP Capacitors product information is printed on the can in black letters.

The following information are marked on the Capacitor;

- | | |
|---|-------------------------------------|
| 1) Manufacturer's Name and Logo  | 2) Climatic Category |
| 3) Nominal capacitance value in μf | 4) Capacitance tolerance |
| 5) Rated voltage | 6) Rated frequency |
| 7) Self – healing (SH) | 8) Class of operation |
| 9) Safety protection | 10) Specification (standard) number |
| 11) Date code (Year-Month) | 12) ISI Mark and Licence No: |

8. DATE CODE

Year Code:

| | | | | | | | | | | |
|--------------------|------|------|------|------|------|------|------|------|------|------|
| Year | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
| Letter Code | M | N | P | R | S | T | U | V | W | X |
| Year | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 |
| Letter Code | M | N | P | R | S | T | U | V | W | X |

Year code repeats after each cycle of 20 years

Month Code:

| | | | | | | | | | | | | |
|--------------|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|
| Month | Jan | Feb | Mar | Apr | May | June | July | Aug | Sep | Oct | Nov | Dec |
| Code | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | O | N | D |

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9. PACKING QUANTITY

MPP Capacitors are packed in a PRIMARY cardboard carton by incorporating suitable SEPERATORS to avoid damages during transit. The primary cartons are then placed in a MOTHER Cardboard carton before shipment.

Packing quantity per primary carton are detailed below;

| Case Code | No.s/ Carton |
|-----------|--------------|
| GK | 81 |
| JK | 64 |
| LR | 49 |