

PPW SERIES

PP can construction with press-fit top cover and flexible multistrand wire lead out

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

Based on international standards PPW MPP Capacitors are categorised as

- a) AC Fan motor Capacitors (IS 2993 PART 1:2024)
- b) Motor Run Capacitors (IS 2993 PART 1:2024)

1. SPECIFICATIONS

a) AC Fan Motor Capacitor

Series	PPW Series
Type	Metalized Polypropylene AC fan motor Capacitor
Reference Standard	IS 2993 PART 1:2024
Rated Voltage	440 Vac
Rated Frequency	50/60 Hz
Climatic Category	-25/85°C/21
Type	MPP-SH
Safety Protection	S0
Capacitance Range	2 to 6 μ F
Capacitance Tolerance	\pm 5%
Class of Operation	Class C/ Class D

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b) Motor Run Capacitor

Series	PPW Series
Type	Metalized Polypropylene Motor Run Capacitor
Reference Standard	IS 2993 PART 1:2024
Rated Voltage	440 Vac
Rated Frequency	50/60 Hz
Climatic Category	-25/85°C/21
Type	MPP-SH
Safety Protection	S0
Capacitance Range	8 to 50 μ F
Capacitance Tolerance	$\pm 5\%$
Class of Operation	Class C/ Class D

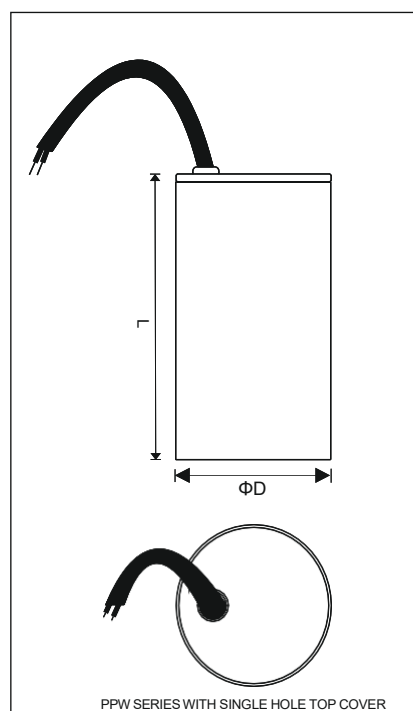
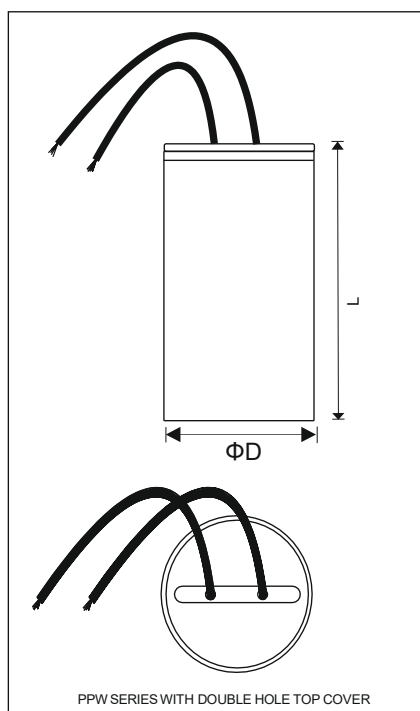
2. OTHER INFORMATION

Type of packing and Lead configuration	Bulk. Multistrand copper wire 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 $\text{ØD} \pm 2$ (mm)	Length $L \pm 3$ (mm)
CD	27	52
ED	30	52
GE	35	58
GK	35	71
JK	40	71
LR	45	94
NV	50	120
QV	54	120

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5. STANDARD RATING TABLE

a) AC Fan Motor Capacitor (IS 2993 PART 1:2024)

Part Number	Rating (μ F)	Diameter $\varnothing D \pm 2$ (mm)	Length $L \pm 3$ (mm)	Case Code	Wire Length h(mm)	Top cover
PPW02R0GCDPD	2	27	52	CD	100 \pm 5	Double Hole
PPW2R25GCDPD	2.25	27	52	CD	100 \pm 5	Double Hole
PPW02R5GCDPD	2.5	27	52	CD	100 \pm 5	Double Hole
PPW03R0GCDPD	3	27	52	CD	100 \pm 5	Double Hole
PPW04R0GEDPS	4	30	52	ED	210 \pm 5	Single Hole
PPW05R0GEDPS	5	30	52	ED	210 \pm 5	Single Hole
PPW06R0GEDPS	6	30	52	ED	210 \pm 5	Single Hole
PPW08R0GEDPS	8	30	52	ED	210 \pm 5	Single Hole
PPW10R0GEDPS	10	30	52	ED	210 \pm 5	Single Hole

b) Motor Run Capacitors (IS 2993 PART 1:2024)

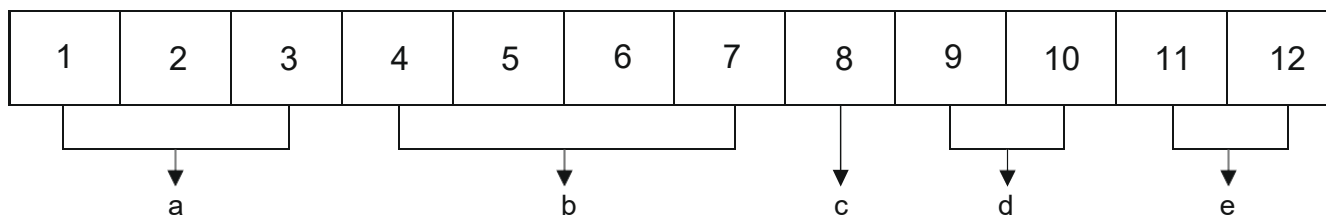
Part Number	Rating (μ F)	Diameter $\varnothing D \pm 2$ (mm)	Length $L \pm 3$ (mm)	Case Code	Wire Length (mm)	Top cover
PPW08R0GGKPS	8	35	71	GK	250 \pm 5	Single Hole
PPW08R0GGEPS		35	58	GE	210 \pm 5	Single Hole
PPW10R0GGKPS	10	35	71	GK	250 \pm 5	Single Hole
PPW10R0GGEPS		35	58	GE	210 \pm 5	Single Hole
PPW12R5GGKPS	12.5	35	71	GK	250 \pm 5	Single Hole
PPW15R0GGKPS	15	35	71	GK	250 \pm 5	Single Hole
PPW15R0GJKPS		40	71	JK	250 \pm 5	Single Hole
PPW18R0GJKPS	18	40	71	JK	250 \pm 5	Single Hole
PPW20R0GJKPS	20	40	71	JK	250 \pm 5	Single Hole
PPW20R0GLRPS		45	94	LR	250 \pm 5	Single Hole
PPW25R0GLRPS	25	45	94	LR	250 \pm 5	Single Hole
PPW30R0GLRPS	30	45	94	LR	250 \pm 5	Single Hole
PPW36R0GLRPS	36	45	94	LR	250 \pm 5	Single Hole
PPW40R0GNVPS	40	50	120	NV	250 \pm 5	Single Hole
PPW45R0GNVPS	45	50	120	NV	250 \pm 5	Single Hole
PPW50R0GNVPS	50	50	120	NV	250 \pm 5	Single Hole
PPW60R0GQVPS	60	54	120	QV	250 \pm 5	Single Hole

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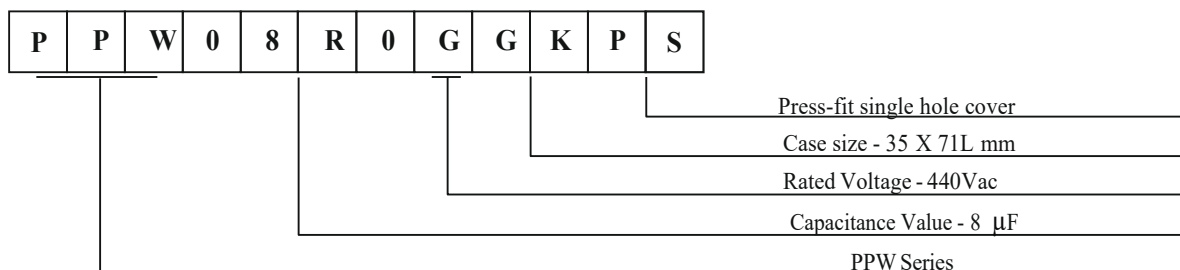
6. CAPACITOR ORDERING INFORMATION

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
PPW: PP can, press-fit top cover, Wire 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	Eg: GK – 35 x 71 NV – 50 x 120	PS – Press fit single hole cover PD – Press fit double hole cover
		B – 230 V		
		G – 440 V		

Eg: PPW Series 8 μ F/440VAC



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7. MARKING ON THE CAPACITOR


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

The following information are marked on the Capacitor;

a) AC Fan Motor Capacitor (IS-1709)

- | | |
|---|----------------------------|
| 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) Type of dielectric- MPP |
| 9) Specification (standard) number | 10) Date code (Year-Month) |

b) Motor Run Capacitors (IS-2993)

- | | |
|---|-------------------------------------|
| 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: |

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8. DATE CODE

Year Code:

Year	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Letter Code	M	N	P	R	S	T	U	V	W	X

Year	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039
Letter Code	A	B	C	D	E	F	H	J	K	L

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

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
CD	200
ED	81
GE	81
GK	81
JK	64
LR	49
NV	36
QV	36