

# Multi-Purpose Capacitors

## Specifications

- Rated Line Voltage : 450V (1-Phase)
- Rated Line Current : 0.07A ~ 14.14A at 50Hz
- Rated Frequency : 50Hz / 60Hz
- Rated Capacitance : 0.5uF ~ 100uF
- Insulation Resistance : > 10,000 MΩ.uF
- Tolerance : ± 5% (± 10% for C≤4uF)
- Temperature Class : -25°C ~ +85°C
- Typical Loss : < 0.05%
- Standards Conformance : VDE0560, EN60252, IEC60252, CEI252



## Design And Construction

- ✚ Cylindrical aluminium or plastic case with stud (M8 or M12) for mounting and earthing.
- ✚ Dielectric consists of self-healing, low-loss vacuum metallised polypropylene foil.
- ✚ Dry type, ensuring there is neither possibility of impregnating liquid leakage nor toxicity.
- ✚ Connection is made through either double-faston terminals or twin-leads 250mm.
- ✚ High strength to vibrations due to the complete immobility of the coil through a special resin of high electrical and mechanical characteristics.
- ✚ Able to withstand high temperature variation for harsh environment.
- ✚ 1-Phase capacitors.
- ✚ Alternate design include the followings:
  - Single-faston terminal 6.35mm
  - Different length of cable
  - Flat can without fixing stud
  - Discharge resistor



## Applications

- ✚ Especially suitable for *Motor-Start* and *Motor-Run* application. Designed for permanent connection in the auxiliary winding of 1-phase induction motor, or with star-connected 3-phase motor operating on 1-phase supply.
- ✚ Typically found in applications such as *domestic appliances, pumps, air-conditioning units, lightings, and office machinery.*

# Multi-Purpose Capacitors

## Selections And Dimensions Table

1-Phase Multi-Purpose Capacitors (PAR Series)

Part No	Voltage Volt	Current Amp	Cap uF	Dimension Dia x Ht mm
PAR45005P	450	0.07	0.5	25x58
PAR45010P	450	0.14	1.0	30x58
PAR45015P	450	0.21	1.5	30x58
PAR45020P	450	0.28	2.0	30x58
PAR45022P	450	0.31	2.2	30x58
PAR45025P	450	0.35	2.5	30x58
PAR45030P	450	0.42	3.0	30x58
PAR45033P	450	0.47	3.3	30x58
PAR45035P	450	0.49	3.5	30x58
PAR45040P	450	0.57	4.0	30x58
PAR45045P	450	0.64	4.5	30x58
PAR45050P	450	0.71	5.0	30x58
PAR45060P	450	0.85	6.0	30x58
PAR45063P	450	0.89	6.3	30x58
PAR45065P	450	0.92	6.5	30x58
PAR45070P	450	0.99	7.0	30x58
PAR45075P	450	1.06	7.5	30x71
PAR45080P	450	1.13	8.0	30x71
PAR45090P	450	1.27	9.0	30x71
PAR45100P	450	1.41	10.0	30x71
PAR45110P	450	1.56	11.0	35x71
PAR45120P	450	1.70	12.0	35x71
PAR45125P	450	1.77	12.5	35x71
PAR45140P	450	1.98	14.0	35x71
PAR45150P	450	2.12	15.0	35x71
PAR45160P	450	2.26	16.0	35x96
PAR45180P	450	2.54	18.0	35x96
PAR45200P	450	2.83	20.0	35x96
PAR45220P	450	3.11	22.0	35x96
PAR45240P	450	3.39	24.0	40x96
PAR45250P	450	3.53	25.0	40x96
PAR45300P	450	4.24	30.0	40x96
PAR45350P	450	4.95	35.0	45x96
PAR45400P	450	5.65	40.0	45x96
PAR45450P	450	6.36	45.0	50x96
PAR45500P	450	7.07	50.0	50x121
PAR45550P	450	7.78	55.0	50x121
PAR45600P	450	8.48	60.0	55x121
PAR45650P	450	9.19	65.0	55x121
PAR45700P	450	9.90	70.0	55x121
PAR45750P	450	10.60	75.0	60x121
PAR45800P	450	11.31	80.0	60x121
PAR45900P	450	12.72	90.0	65x121
PAR45999P	450	14.14	100.0	65x121



- Footnote:**
- 1) All dimensions listed are approximate only and are subjected to change without notice. Please consult manufacturer for confirmation prior to placing orders.
  - 2) Please consult manufacturer for confirmation of availability prior to placing orders.
  - 3) Please consult manufacturer for price and delivery.
  - 4) For other ratings or special requirements, please consult manufacturer.