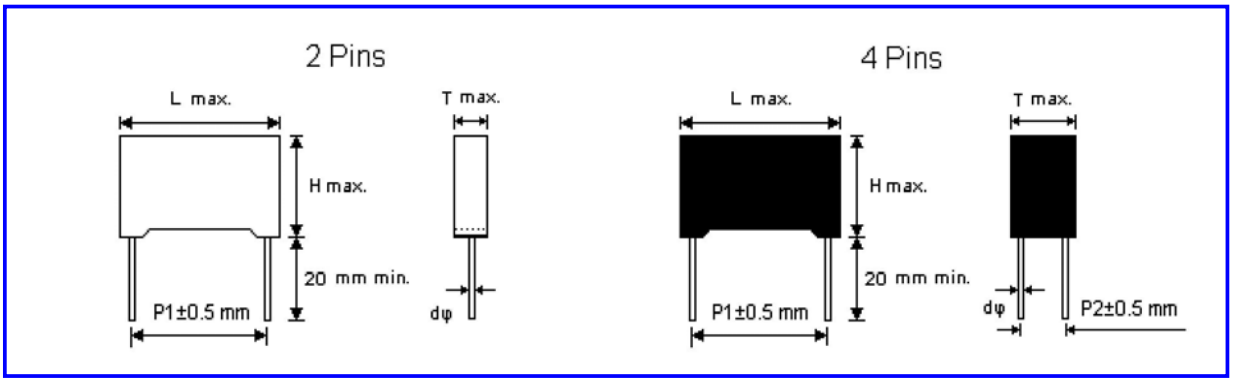
RoHS Compliant

TYPE PUK

Farad

METALLIZED POLYPROPYLENE AC CAPACITOR

A.C. OUTPUT FILTER, FLAME RETARDANT ENCASED, NON-INDUCTIVE



FEATURES

* **High reliability and excellent self-healing characteristics.**
* **Low losses and low ESR.**

APPLICATION

* **Suitable for AC output filter, i.e. UPS, Solar Photovoltaic DC/AC inverter with LCL filter.**

GENERAL SPECIFICATION

1. OPERATING TEMPERATURE:
- 40℃ ~ + 105℃
Derated voltage 1.5%/℃ above 70℃ to 105℃.

2. VOLTAGE RANGE:
180, 275 and 350 VAC.

3. CAPACITANCE RANGE:
1.0 ~ 70.0 Mfd. (other rating upon request)

4. DIELECTRIC STRENGTH:
160% of rated DC voltage for 2 sec.

5. CAPACITANCE TOLERANCE:
±5%(J), ±10%(K) and ±20%(M).

6. INSULATION RESISTANCE:
C＜.33 Mfd, R ≧30,000 Meg. Ohm at 20±3℃.
C≧.33 Mfd, RC≧ 10,000 Meg. Ohm × Mfd.

7. DISSIPATION FACTOR:
0.25% max. at 1KHz 20±3℃.

VAC / Mfd	180VAC							275VAC							350VAC						
	L	T	H	P1	P2	dφ	dv/dt	L	T	H	P1	P2	dφ	dv/dt	L	T	H	P1	P2	dφ	dv/dt
1.0								32.0	11.0	20.0	27.5		1.0	80	32.0	11.0	20.0	27.5		1.0	100
1.2								32.0	11.0	20.0	27.5		1.0	80	32.0	13.0	22.0	27.5		1.0	100
1.5								32.0	13.0	22.0	27.5		1.0	80	32.0	14.0	25.0	27.5		1.0	100
1.8								32.0	14.0	25.0	27.5		1.0	80	32.0	16.0	25.5	27.5		1.0	100
2.2	32.0	11.0	20.0	27.5		1.0	30	32.0	15.0	24.5	27.5		1.0	80	32.0	18.0	28.0	27.5		1.0	100
2.7	32.0	11.0	20.0	27.5		1.0	30	32.0	16.0	25.5	27.5		1.0	80	32.0	18.0	33.0	27.5		1.2	100
3.3	32.0	13.0	22.0	27.5		1.0	30	32.0	18.0	28.0	27.5		1.2	80	32.0	20.0	35.0	27.5		1.2	100
3.9	32.0	14.0	25.0	27.5		1.0	30	32.0	18.0	33.0	27.5		1.2	80	42.0	18.0	30.0	37.5	10.2	1.2	70
4.7	32.0	14.0	25.0	27.5		1.0	30	42.0	18.0	30.0	37.5	10.2	1.2	55	42.0	20.5	34.0	37.5	10.2	1.2	70
5.6	32.0	16.0	25.5	27.5		1.0	30	42.0	18.0	30.0	37.5	10.2	1.2	55	42.0	22.0	37.0	37.5	10.2	1.2	70
6.8	32.0	18.0	28.0	27.5		1.2	30	42.0	20.5	34.0	37.5	10.2	1.2	55	42.0	26.0	39.0	37.5	10.2	1.2	70
8.2	32.0	19.0	30.0	27.5		1.2	30	42.0	22.0	37.0	37.5	10.2	1.2	55	42.0	26.0	43.0	37.5	10.2	1.2	70
10.0	32.0	22.0	31.0	27.5		1.2	30	42.0	26.0	39.0	37.5	10.2	1.2	55	42.0	30.0	45.0	37.5	10.2	1.2	70
12.0	42.0	18.0	30.0	37.5	10.2	1.2	20	42.0	28.0	43.0	37.5	10.2	1.2	55	59.0	33.0	43.0	52.5	20.3	1.2	45
15.0	42.0	20.5	34.0	37.5	10.2	1.2	20	42.0	31.0	47.0	37.5	20.3	1.2	55	59.0	33.0	43.0	52.5	20.3	1.2	45
18.0	42.0	22.0	37.0	37.5	10.2	1.2	20	59.0	33.0	43.0	52.5	20.3	1.2	35	59.0	35.0	46.0	52.5	20.3	1.2	45
20.0	42.0	24.0	39.0	37.5	10.2	1.2	20	59.0	33.0	43.0	52.5	20.3	1.2	35	59.0	38.0	48.0	52.5	20.3	1.2	45
22.0	42.0	24.0	42.5	37.5	10.2	1.2	20	59.0	34.0	45.0	52.5	20.3	1.2	35	59.0	40.0	50.0	52.5	20.3	1.2	45
25.0	42.0	26.0	43.0	37.5	10.2	1.2	20	59.0	38.0	48.0	52.5	20.3	1.2	35							
27.0	42.0	28.0	43.0	37.5	10.2	1.2	20	59.0	38.0	48.0	52.5	20.3	1.2	35							
30.0	42.0	30.0	45.0	37.5	20.3	1.2	20	59.0	40.0	50.0	52.5	20.3	1.2	35							
33.0	42.0	31.0	47.0	37.5	20.3	1.2	20	59.0	42.0	53.0	52.5	20.3	1.2	35							
35.0	59.0	28.0	41.0	52.5	10.2	1.2	15														
40.0	59.0	33.0	43.0	52.5	20.3	1.2	15														
50.0	59.0	35.0	46.0	52.5	20.3	1.2	15														
60.0	59.0	38.0	48.0	52.5	20.3	1.2	15														
70.0	59.0	40.0	50.0	52.5	20.3	1.2	15														