

AC PULSE & METALLISED POLYPROPYLENE FILM APACITORS (PP/MPP Reduced Pitch)

MAIN APPLICATION

SMPS, Electronic ballast, Resonant capacitor, Snubber application with High voltage and High current.

CONSTRUCTION

Series constructed, impregnated polypropylene Film, aluminum foil and metallized polypropylene film as internal electrodes coated by hard, water repellent, solvent resistant epoxy resin or enclosed in a flame retardant box.

CLIMATIC CATEGORY

40/100/56

APPLICABLE SPECIFICATION

IEC 384-16,

CAPACITANCE VALUE & RATED VOLTAGE (DC)

Refer dimension chart.

CAPACITANCE TOLERANCE

±5%, ±10%

VOLTAGE PROOF

Between terminals: 1.6 times of rated voltage for 2 seconds.

INSULATION RESISTANCE

Between leads > 100000 MΩ

Between interconnected leads and case >100000MΩ

TAN δ (DISSIPATION FACTOR) AT 20°C (Dip type)

Frequency (kHz) $C_R < 0.1 \text{ mfd}$ $0.1 \text{ mfd} < C_R \leq 1 \text{ mfd}$

At 1	0.05%	0.08%
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At 10	0.1%	0.1%
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At 100 KHz	0.3%	0.5%
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LIFE TEST CONDITIONS (DC):(Loading at elevated temperature) Loaded at 1.25 times the rated DC voltage at 85° C for 1000 hours.

Criteria after the test:

Uc/c: ≤ 5% of initial value.

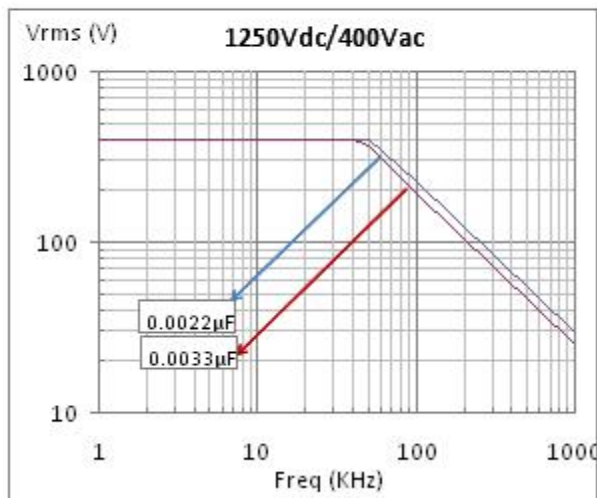
Increase of Tan δ : ≤ 0.003

Insulation resistance: ≥ 50% of the value mentioned in IR chart.

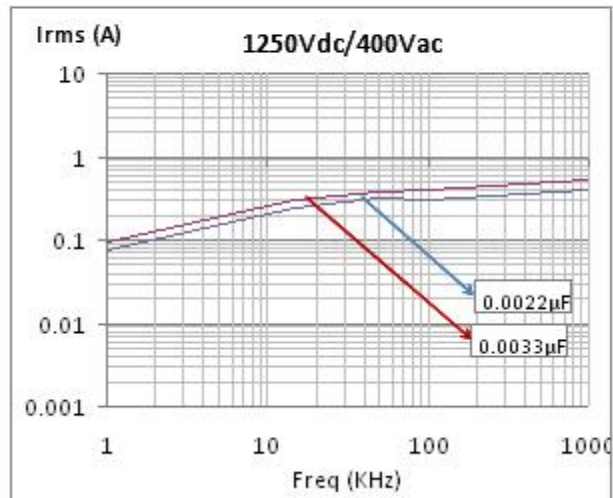
APPROVALS

Capacitors are tested as per IEC 384-16

Max. Voltage (Vrms) Vs Frequency
(Sinusoidal Waveform at T ≤ 85°C)



Max. Current (Irms) Vs Frequency
(Sinusoidal Waveform at T ≤ 85°C)



Ordering code and packing units: AC and pulse PP/MPP capacitor (Dip type)

Rated voltage	Rated Cap.(μ fd)	Maximum Dimensions(mm)						Dv/dt V/ μ s	Weight in gm	Ordering code	Packing Ammo	Bulk
		W	H	L	d ± 0.02	S ± 0.5	F 0.8/-0.2					
1250VDC	0.0022	6	12	13	0.6	12.5	10	30000	-	63 222 +3B [^]	-	1000
400VAC	0.0027	6	12	13	0.6	12.5	10	30000	-	63 272 +3B [^]	-	1000
	0.0033	6	12	13	0.6	12.5	10	30000	-	63 332 +3B [^]	-	1000
	0.0039	6	12	13	0.6	12.5	10	30000	-	63 392 +3B [^]	-	1000
	0.0047	6	12	13	0.6	12.5	10	30000	-	63 472 +3B [^]	-	1000
	0.0056	6	12.5	13	0.6	12.5	10	30000	-	63 562 +3B [^]	-	1000
	0.0068	6	13	13	0.6	12.5	10	30000	-	63 682 +3B [^]	-	1000

