DEKI
Film Capacitor Solutions

METALLISED POLYESTER FILM CAPACITORS
Economic type

MAIN APPLICATION: Mainly used in switch type fan regulators

CONSTRUCTION (DIP TYPE): Low inductive cell of metallised polyester film coated with flame retardant grade epoxy powder

CLIMATIC CATEGORY: 40/85/21

CAPACITANCE VALUE, RATED VOLTAGE (DC): Refer dimension chart

CAPACITANCE TOLERANCE: ±5%, ±10%

VOLTAGE PROOF: 1.6*Ur for 2 seconds between the terminals

TAN δ (DISSIPATION FACTOR): 0.8% (max) at 1 kHz

INSULATION RESISTANCE
Minimum insulation resistance R_{IS} measured at 100 V DC for 1 minute
Or, time constant $T = C_R \times R_{IS} > 2500$ s at 25° C, relative humidity ≤70%

LIFE TEST CONDITIONS
a) Endurance Test: Loaded at 1.1 times of rated voltage at 70° C for 500 hours.
After the test:
Δc/c: ≤ 5% of initial value
Change in Tan δ: ≤ 0.004 of initial value
Insulation resistance: ≥ 50% of the value specified in data sheet

b) Switching test: > 20,000 cycles of 4 step / 5 step switch type fan regulator
Input supply: 240 V AC, Load: Fan Motor
After the test:
Δc/c: ≤ 5% of initial value
Change in Tan δ: ≤ 0.004 of initial value
Insulation resistance: ≥ 50% of the value specified in data sheet

c) Lot to lot testing: Loaded at 450 V AC at ambient temperature for 2 hours
After the test:
Δc/c: ≤10% of initial value
Change in Tan δ: ≤ 0.004 of initial value

Ordering codes and packaging units

Rated Voltage	Rated cap. (µfd)	Maximum Dimensions (mm) W ±0.5	H ±0.5	L ±0.5	d ±0.5	S ±0.5	Ordering code	Packing units Bulk
250 V AC	1.0	6.0	14.0	31	0.8	27.5	57 105 + 02 *^	250
MPET	1.2	7.0	15.0	31	0.8	27.5	57 125 + 02 *^	250
	1.5	7.0	16.0	31	0.8	27.5	57 155 + 02 *^	250
	2.0	8.0	17.0	31	0.8	27.5	57 205 + 02 *^	250
	2.2	8.0	18.0	31	0.8	27.5	57 225 + 02 *^	250
	2.4	7.5	21.0	31	0.8	27.5	57 245 + 02 *^	250
	2.5	9.0	19.0	31	0.8	27.5	57 255 + 02 *^	250
	3.0	10.0	19.0	31	0.8	27.5	57 305 + 02 *^	250
	3.3	8.5	22.5	31	0.8	27.5	57 335 + 02 *^	250
	3.6	9.0	23.0	31	0.8	27.5	57 365 + 02 *^	250
	3.7	11.0	20.0	31	0.8	27.5	57 375 + 02 *^	250
	4.3	10.0	24.0	31	0.8	27.5	57 435 + 02 *^	250