PLASTIC FILM CAPACITORS

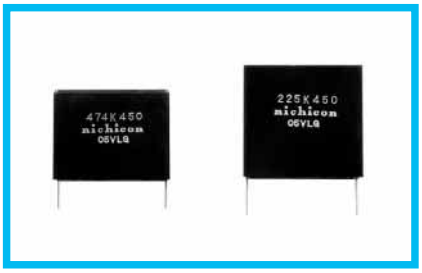
nichicon

EP Metallized Polypropylene Film Capacitor

series (Epoxy-encased type for high frequency applications)

For High Frequency

NEW



- Ideal for high frequency applications due to a metallized polypropylene film dielectric which exhibits superior operative characteristics with minimal loss at high frequency.
- Self-healing electrode and non-inductive construction provide excellent characteristics in minimal inductance having better withstanding voltage capability.
- Highly reliable series in a compact and light flame-retardant epoxy case (Color : Black) for superior installation capability and non-inflammability.
- Adapted to the RoHS directive (2002/95/EC).

Applications

- High frequency circuit, general electronic circuit, etc. (For snubber circuit, filtering circuit, horizontal deflection circuit, etc.)

Specifications

Item	Performance Characteristics
Category Temperature Range	–40 ~ +105˚C (Rated temperature : +85˚C)
Rated Voltage (U_R)	250 ~ 800V.D.C.
Rated Capacitance Range	0.068 ~ 6.8μF
Capacitance Tolerance	±10% (K)
Dielectric Loss Tangent	0.1% or less (at 1kHz 20˚C)
Insulation Resistance	C ≦ 0.33μF 30000 MΩ or more C > 0.33μF 10000 ΩF or more
Withstand Voltage	Between Terminals : Rated Voltage × 175%, 5secs, Between Terminals and Coverage : Rated Voltage × 200%, 5secs,

Category voltage = $U_R \times 0.7$

Type numbering system (Example : 630V 0.15μF)

1	2	3	4	5	6	7	8	9	10	11	12
Q	E	P	2	J	1	5	4	K	R	P	T

T : AC usage applicable Long lead type
2CC : AC usage applicable Straight cut lead type

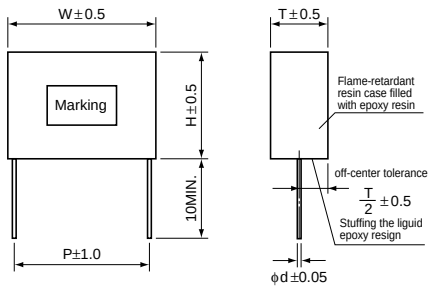
- 12: Configuration (RP : Polypropylene film, Soldered CP wire)
- 10–11: Capacitance tolerance (K : ±10%)
- 6–8: Rated Capacitance (0.15μF)
- 4–5: Rated voltage (630V)
- 3: Series name
- 1–2: Type

AC voltage

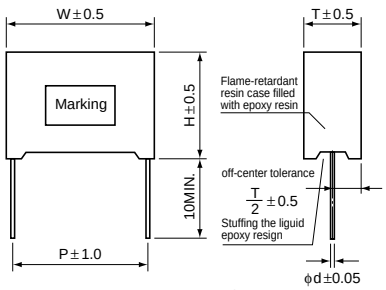
- AC voltage (Operating at 50 / 60 Hz AC circuit). Shall be as follows However, do not use this product for across-the-line applications.

DC rated voltage	250VDC	450VDC	630VDC	800VDC
AC voltage (50/60Hz)	125VAC	160VAC	200VAC	250VAC

Drawing



Type 1



Type 2

Dimensions

(μF) Cap.	V (Code) / Code / Size	250VDC (2E) T	W	H	d	P	Type	450VDC (2W) T	W	H	d	P	Type
0.22	224							11.0	26.0	19.0	0.8	24.0	1
0.33	334							11.0	26.0	19.0	0.8	24.0	1
0.47	474	11.0	26.0	19.0	0.8	24.0	1	12.5	31.0	20.5	0.8	29.0	2
0.68	684	11.0	26.0	19.0	0.8	24.0	1	12.5	31.0	20.5	0.8	29.0	2
1.0	105	11.0	26.0	19.0	0.8	24.0	1	14.0	31.0	23.5	0.8	29.0	2
1.5	155	12.5	31.0	20.5	0.8	29.0	2	20.5	31.5	31.5	0.8	29.0	2
2.2	225	14.0	31.0	23.5	0.8	29.0	2	20.5	31.5	31.5	0.8	29.0	2
3.3	335	20.5	31.5	31.5	0.8	29.0	2	22.0	36.0	35.5	0.8	33.5	2
4.7	475	20.5	31.5	31.5	0.8	29.0	2						
6.8	685	22.0	36.0	35.5	0.8	33.5	2						

(μF) Cap.	V (Code) / Code / Size	630VDC (2J) T	W	H	d	P	Type	800VDC (2K) T	W	H	d	P	Type
0.068	683							11.0	26.0	19.0	0.8	24.0	1
0.1	104							11.0	26.0	19.0	0.8	24.0	1
0.15	154	11.0	26.0	19.0	0.8	24.0	1	11.0	26.0	19.0	0.8	24.0	1
0.22	224	11.0	26.0	19.0	0.8	24.0	1	12.5	31.0	20.5	0.8	29.0	2
0.33	334	11.0	26.0	19.0	0.8	24.0	1	14.0	31.0	23.5	0.8	29.0	2
0.47	474	12.5	31.0	20.5	0.8	29.0	2	20.5	31.5	31.5	0.8	29.0	2
0.68	684	14.0	31.0	23.5	0.8	29.0	2	20.5	31.5	31.5	0.8	29.0	2
1.0	105	20.5	31.5	31.5	0.8	29.0	2	22.0	36.0	35.5	0.8	33.5	2
1.5	155	20.5	31.5	31.5	0.8	29.0	2	22.0	36.0	35.5	0.8	33.5	2
2.2	225	22.0	36.0	35.5	0.8	33.5	2						