MKC-JS Series (Resin-encased Metallized Polyester Film Capacitors)

The MKC-JS series is developed to offer capacitors that have an increased moisture resistance and receive wide use in automotive electrical components, communications devices, and other electronic equipment. It guarantees a rated voltage load of 85°C, 85% RH, and 500 hours.

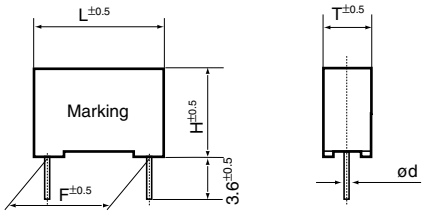
- The employed case and resin parts are made of the 94 V-0 flame-resistant material.
- A lead pitch of 10 mm is employed for the entire series.

Product Specifications

Items	Specifications	
Temperature range	–40°C ~ +85°C (+105°C, with derating over 85°C)	
Rated voltage	100 V.DC	
Capacitance tolerance	±10% (K)	
Dielectric dissipation factor	0.8% or less (20°C,1KHz)	
Withstanding voltage	Between terminals	Rated voltage (V.DC) × 1.5 for one min
	Between terminal and outside coating	Rated voltage (V.DC) × 2.0 for 1 to 5 seconds
Insulation resistance	$C_R \leq 0.33\mu F$ 9,000MΩ or more	
	$C_R > 0.33\mu F$ 3,000 / C_R MΩ or more	
Related standard	Subject to JIS C 5101-1 and JIS C 5101-2.	

C_R : Capacitance (μF)

Outline of drawings and dimensions



Standard value and case size (Unit : mm)

Capacitance		Rated voltage (100V.DC)				
μF	Code	T	H	L	F	d
0.1	104	4.0	10.0	13.0	10.0	0.6
0.15	154	4.0	10.0	13.0	10.0	0.6
0.22	224	4.0	10.0	13.0	10.0	0.6
0.33	334	4.0	10.0	13.0	10.0	0.6
0.47	474	5.0	11.5	13.0	10.0	0.6
0.58	684	5.0	11.5	13.0	10.0	0.6
1.0	105	6.0	12.0	13.0	10.0	0.6
1.5	155	7.5	13.5	13.0	10.0	0.6

Product symbol : (Example) MKC-JS Series 100V.DC 1.0μF ±10%

MKC-JS-2A-105 K

- Type of series
- Rated voltage code
- Capacitance code
- Capacitance tolerance code