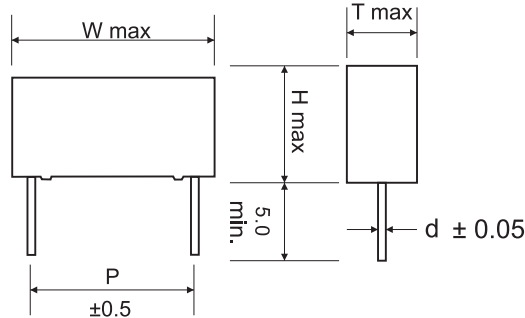


■ INTRODUCTION

MKP Series are constructed with special Metalized/Polypropylene film dielectric, copperplated lead, in plastic case and epoxy resin sealed. They are suitable for Line-By-Pass, antenna coupling, Across-The-Line and spark killer circuits and available for EMI filter and switching power supply application.



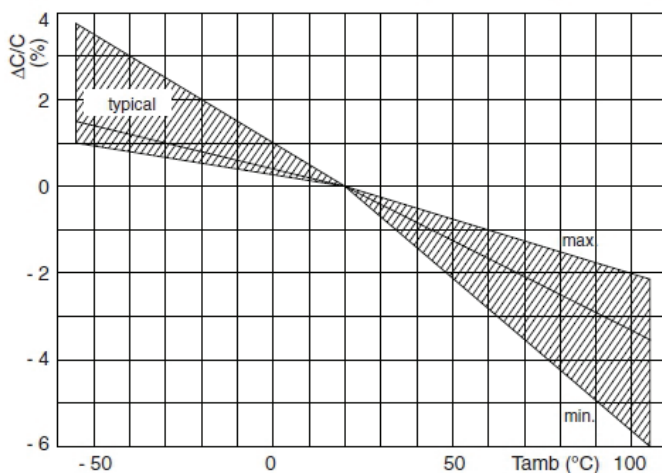
■ ELECTRICAL CHARACTERISTICS

Parameter	Specification
Operating Temperature Range	-40 °C ~ +110 °C
Capacitance Range	0.0047μF ~ 2.2 μF
Capacitance Tolerance	±5% (J), ±10% (K), ±20% (M)
Rate Voltage (50-60Hz)	310VAC
Dissipation Factor	0.1% max at 1KHz, 25 °C
Insulation Resistance	≥ 15000MΩ at DC 100V(C≤ 0.33μF) ≥ 5000MΩ x μF at DC100V(C>0.33μF)
Climatic Category	40/110/56

NOTE: See MKP-U type for high humidity application
See MKP-P type for reduced size

■ CHARACTERISTIC CURVE

Capacitance vs Temperature(Typical Curve)



■ FEATURES

- 310VAC
- Non-inductive construction
- Self-healing property
- Flame-retardant plastic case and epoxy resin (compliant to UL 94V-0)
- High moisture resistance

■ PART NUMBER EXAMPLE

MKP 104 K 310VAC 225 B 100 S

Series	Capacitance	Tolerance	Voltage	Lead Style	Lead Length	Packaging	Lead space*
--------	-------------	-----------	---------	------------	-------------	-----------	-------------

* Leadspace is straight lead non-formed original leadspace.

■ STRAIGHT LEAD SPACING (P)

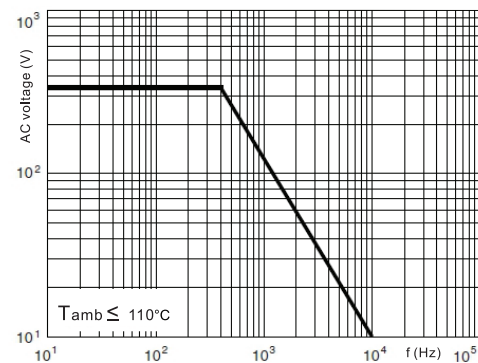
* Leadspace is straight lead non-formed original leadspace.

mm	7.5	10	15	22.5	27.5	37.5
Code	075	100	150	225	275	375

■ LEAD LENGTH FROM SEATING PLANE

mm	5	10	15	20
Code	050	100	150	200

Max. RMS Voltage vs Frequency(Typical Curve)



■ RECOGNITION

Agency	File number	Monogram
UL/CUL	E346827	
ENEC	SE/11048-3	
CQC	CQC11001060989	

■ LEAD STYLE

Code	STYLE
S	Straight
K	Kink-In (Stand off)
F	Form out**
I	Form in**

** For Bulk packaging with formed leads, add an additional 3 digit lead spacing code at end of part number.

■ DIMENSION

Rating	Maximum Dimension (mm)					
(μF)	Code	W	H	T	P	d
0.0047	472	10	8	4	7.5	0.6
0.0047	472	13	10	5	10	0.6
0.0056	562	10	8	4	7.5	0.6
0.0056	562	13	10	5	10	0.6
0.0068	682	10	8	4	7.5	0.6
0.0068	682	13	10	5	10	0.6
0.0082	822	10	8	4	8	0.6
0.0082	822	13	10	5	10	0.8
0.0100	103	10	8	4	7.5	0.6
0.0100	103	13	10	5	10	0.6
0.0100	103	18	11	5	15	0.8
0.0150	153	10	9	4	7.5	0.6
0.0150	153	13	10	5	10.0	0.6
0.0150	153	18	11	5	15	0.8
0.0220	223	10	9	4	7.5	0.6
0.0220	223	13	11	5	10	0.6
0.0220	223	18	11	5	15	0.8
0.0330	333	10	10	5	7.5	0.6
0.0330	333	13	11	5	10	0.6
0.0330	333	18	11	5	15	0.8
0.0470	473	10	12	6	7.5	0.6
0.0470	473	13	10	5	10	0.6
0.0470	473	18	11	5	15	0.8
0.0560	563	10	12	6	7.5	0.6
0.0560	563	13	10	5	10	0.6
0.0560	563	18	11	5	15	0.8
0.0680	683	13	11	5	10	0.6
0.0680	683	18	11	5	15	0.8
0.0820	823	13	12	6	10	0.6
0.0820	823	18	11	6	15	0.8
0.1000	104	13	12	6	10	0.6
0.1000	104	18	11	6	15	0.8
0.1200	124	13	13	7	10	0.6
0.1200	124	18	11	5	15	0.8

Rating	Maximum Dimension (mm)					
(μF)	Code	W	H	T	P	d
0.0820	823	13	12	6	10	0.6
0.0820	823	18	11	6	15	0.8
0.1000	104	13	12	6	10	0.6
0.1000	104	18	11	6	15	0.8
0.1200	124	13	13	7	10	0.6
0.1200	124	18	11	5	15	0.8
0.1500	154	13	14	8	10	0.6
0.1500	154	18	12	6	15	0.8
0.1500	154	26	14.5	6	22.5	0.8
0.2200	224	18	13	7	15	0.8
0.2200	224	26	14.5	6	22.5	0.8
0.3300	334	18	15.5	8	15	0.8
0.3300	334	26	16.5	8	22.5	0.8
0.3900	394	18	17	8	15	0.8
0.3900	394	26	16.5	7.5	22.5	0.8
0.4700	474	18	18	9	15	0.8
0.4700	474	26	16.5	7.5	22.5	0.8
0.4700	474	31	18	9	27.5	0.8
0.5600	564	18	19	10.0	15.0	0.8
0.5600	564	26	16.5	3.5	22.5	0.8
0.5600	564	31	20	10	27.5	0.8
0.6800	684	26	17	8	22.5	0.8
0.6800	684	31	20	10	27.5	0.8
0.8200	824	26	18	9	22.5	0.8
0.8200	824	31	20	11	27.5	0.8
1.0000	105	26	19	10	22.5	0.8
1.0000	105	31	20	11	27.5	0.8
1.2000	125	26	20	11.5	22.5	0.8
1.5000	155	26	22	12	22.5	0.8
1.5000	155	31	23.5	14	27.5	0.8
1.8000	185	26	24	14	22.5	0.8
2.2000	225	26	25	15	22.5	0.8
2.2000	225	31	26	18	27.5	0.8

NOTE: See MKP-U type for high humidity application
See MKP-P type for reduced size