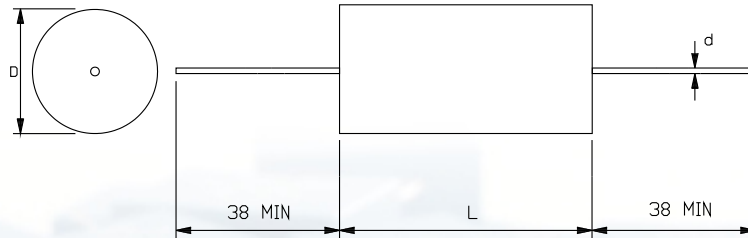


# MKC 21 METALLISED POLYCARBONATE FILM CAPACITORS AXIAL WRAP AND END FILL FORMAT



SEE TABLE OVERLEAF FOR CAPACITANCE VALUES AND MAX DIMENSIONS IN MM.

## GENERAL DETAILS

A RANGE OF CAPACITORS IN WRAP AND END FILL CONSTRUCTION, GIVING ALL THE ADVANTAGES OF POLYCARBONATE COMBINED WITH LOW COST AND OPTIMUM VOLUMETRIC EFFICIENCY.

## TECHNICAL DETAILS

**DIELECTRIC**  
**ELECTRODES**  
**ENCAPSULATION**

POLYCARBONATE.  
VACUUM DEPOSITED ALUMINIUM.  
POLYESTER TAPE WRAP WITH EPOXY  
RESIN END SEAL.

**LEADS**

AXIAL TINNED COPPER, SEE TABLE  
OVERLEAF FOR DIAMETERS.

**ENVIRONMENTAL CLASSIFICATION**  
**DC WORKING VOLTAGES (AC)**

55 / 100 / 56.  
63V(45), 160V(100), 250V(150),  
400V(200).

**CAPACITANCE RANGE**  
**TAN DELTA**

10 nF - 22  $\mu$ F.  
< 0.003 @ 1kHz, 20°C FOR C  $\leq$  10  $\mu$ F.  
< 0.003 @ 50Hz, 20°C FOR C > 10  $\mu$ F.

**INSULATION RESISTANCE**

>50,000 M $\Omega$  @ 20°C FOR C < 1  $\mu$ F.  
>50,000 M $\Omega$ . $\mu$ F @ 20°C FOR C  $\geq$  1  $\mu$ F.

**TOLERANCES**

$\pm$  20%,  $\pm$  10%,  $\pm$  5%,  $\pm$  2%,  $\pm$  1%.

**MAXIMUM RATE OF VOLTAGE CHANGE**

40 V /  $\mu$ S.

**CAPACITOR SIZE REFERENCES**

VALUE	VOLTAGE RATING			
	63	160	250	400
10n	A	A	A	A
11n	A	A	A	A
12n	A	A	A	A
13n	A	A	A	A
15n	A	A	A	A
16n	A	A	A	A
18n	A	A	A	A
20n	A	A	A	A
22n	A	A	A	A
24n	A	A	A	A
27n	A	A	A	A
30n	A	A	A	A
33n	A	A	A	A
36n	A	A	A	A
39n	A	A	A	B
43n	A	A	A	B
47n	A	A	A	B
51n	A	A	A	B
56n	A	A	A	B
62n	A	A	A	B
68n	A	A	A	C
75n	A	A	B	C
82n	A	A	B	C
91n	A	A	B	D
100n	A	A	C	D
110n	A	A	C	D
120n	A	A	C	D

VALUE	VOLTAGE RATING			
	63	160	250	400
130n	A	A	C	D
150n	A	A	C	D
160n	A	A	C	D
180n	A	A	D	D
200n	A	A	D	G
220n	A	B	E	G
240n	A	B	E	G
270n	A	B	E	H
300n	A	B	E	H
330n	A	C	F	H
360n	A	C	G	I
390n	A	C	G	I
430n	A	C	G	I
470n	A	C	H	I
510n	A	E	H	J
560n	A	E	H	J
620n	A	E	H	J
680n	A	E	I	J
750n	B	E	I	J
820n	C	F	I	K
910n	C	F	J	K
1µ	C	F	J	K
1µ1	C	F	J	
1µ2	C	G	J	
1µ3	C	G	J	
1µ5	C	H	J	
1µ6	D	H	K	

VALUE	VOLTAGE RATING			
	63	160	250	400
1µ8	E	H	K	
2µ	E	H	K	
2µ2	E	H	K	
2µ4	E	H		
2µ7	G	I		
3µ	G	J		
3µ3	G	J		
3µ6	G	J		
3µ9	G	J		
4µ3	H	J		
4µ7	H	J		
5µ1	H	K		
5µ6	I	K		
6µ2	I	K		
6µ8	I	K		
7µ5	I			
8µ2	J			
9µ1	J			
10µ	J			
11µ	J			
12µ	J			
13µ	K			
15µ	K			
16µ	K			
18µ	K			
20µ	K			
22µ	K			

**CAPACITOR DIMENSIONS mm**

SIZE REFERENCE	A	B	C	D	E	F	G	H	I	J	K
D (MAX)	6	8	7	9	10	11	9	12	11	14	18
L (MAX)	15	15	22	22	22	22	27	27	33	33	33
d (NOM)	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8

VALUES AND VOLTAGE RATINGS OTHER THAN THOSE SHOWN ARE AVAILABLE. CONTACT SALES OFFICE FOR DETAILS.