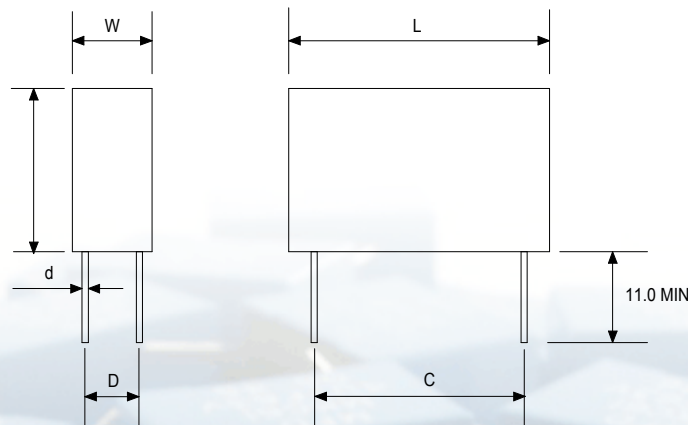


# MKC 63 METALLISED POLYCARBONATE FILM CAPACITORS FOUR TERMINAL RADIAL MOULDED CASE FORMAT



SEE TABLE OVERLEAF FOR CAPACITANCE VALUES AND DIMENSIONS IN MM.

## GENERAL DETAILS

A RANGE OF FOUR TERMINAL RADIAL POLYCARBONATE CAPACITORS DESIGNED FOR APPLICATIONS WHERE SAFETY IS OF PARAMOUNT IMPORTANCE. USED EXTENSIVELY IN MASS TRANSIT SIGNALLING APPLICATIONS

## TECHNICAL DETAILS

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

POLYCARBONATE.  
VACUUM DEPOSITED ALUMINIUM.  
FLAME RETARDANT GLASS FILLED  
NYLON CASE WITH EPOXY RESIN FILL.  
RADIAL TINNED COPPER, 0.8 mm  
DIAMETER.

**LEADS**

40 / 085 / 21.  
63 VDC, 100 VDC, 160 VDC, 250 VDC  
400 VDC.

**ENVIRONMENTAL CLASSIFICATION**  
**DC WORKING VOLTAGES**

**CAPACITANCE RANGE**

100 nF - 10  $\mu$ F.

**TAN DELTA**

< 0.003 @ 1kHz, 20°C.

**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**

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

**TEST VOLTAGE**

1.5 x RATED VOLTAGE FOR 1 MINUTE,  
NOT TO BE REPEATED.

**CAPACITOR SIZE REFERENCES**

CAPACITANCE	VOLTAGE RATING				
	63	100	160	250	400
100 nF	A	A	A	A	A
150 nF	A	A	A	A	A
220 nF	A	A	A	A	B
330 nF	A	A	A	A	B
470 nF	A	A	A	A	B
680 nF	B	B	B	C	C
1 $\mu$ F	B	B	B	C	C
1.5 $\mu$ F	C	C	C	C	-
2.2 $\mu$ F	D	D	D	D	-
3.3 $\mu$ F	D	D	D	-	-
4.7 $\mu$ F	D	D	-	-	-
6.8 $\mu$ F	D	D	-	-	-
10 $\mu$ F	D	D	-	-	-

**CAPACITOR DIMENSIONS mm**

SIZE REFERENCE	A	B	C	D
L (MAX)	21.25	29.25	33.25	33.25
W (MAX)	14.25	15.25	18.25	22.25
H (MAX)	19.0	20.0	22.0	27.0
C (NOM)	15.2	22.9	27.9	27.9
D (NOM)	5.1	5.1	10.2	10.2
d (NOM)	0.8	0.8	0.8	0.8

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