

# MKT Film Capacitors

**C5572** = Product group; Product group discount C 55 7\_

## ARCOTRONICS MKT Film Capacitors

Wound Technology

Style: Bulk

Rated Voltage: 63...400V DC

Tolerance: 10%

Pitch: 22,5/27,5mm

Series: R.60

Part Nr.	Part description
C1.0V400R27	MKT Capacitor 1,0uF 400V 10% P27,5
C2.2V250R27	MKT Capacitor 2,2uF 250V 10% P27,5
C3.3V100R22	MKT Capacitor 3,3uF 100V 10% P22,5
C4.7V63R22	MKT Capacitor 4,7uF 63V 10% P22,5
C4.7V100R27	MKT Capacitor 4,7uF 100V 10% P27,5
C6.8V100R27	MKT Capacitor 6,8uF 100V 10% P27,5
C10V100R27	MKT Capacitor 10uF 100V 10% P27,5
C22V63R27	MKT Capacitor 22uF 63V 10% P27,5

### Features

- Dielectric polyester film. Aluminium layer plates deposited by evaporation under vacuum
- Tinned wire leads
- Box material is solvent resistant and flame retardant according to UL94V-0
- Low attenuation

### Application

Blocking, filter, time stability, coupling, decoupling, by-passing, interference suppression in low voltage applications.

### Technical Specifications

Rated Voltage ( $U_N$ ):	.....See Table
Test Voltage (2s; 25±5°C):	.....1,6x $U_N$
Capacitance Tolerance (1kHz):	.....±10%
Temperature Range:	.....-55...+105°C
Climatic Category	
IEC 60068-1:	.....55/100/56
Insulation Resistance	
$U_N \leq 100V$	
$C \leq 0,33\mu F$ :	.....≥3,75GΩ
$C > 0,33\mu F$ :	.....≥1250s
$U_N > 100V$	
$C \leq 0,33\mu F$ :	.....≥30GΩ
$C > 0,33\mu F$ :	.....≥10000s
Reliability (MIL HDB 217) (40°C, 0,5x $U_N$ ):	.....5x10 <sup>-9</sup> /h = 5fit <sup>1)</sup>

<sup>1)</sup> 1fit = 1x10<sup>-9</sup> Failure Components/Hour

Part Nr.	$C_N$ [μF]	$U_N$ [V DC]	du/dt [V/μs]	B [mm]	H [mm]	L [mm]	P [mm]
C1.0V400R27	1,0	400	8,5	9,0	17,0	32,0	27,5
C2.2V250R27	2,2	250	2	7,0	16,0	26,5	27,5
C3.3V100R22	3,3	100	1,5	7,0	16,0	26,5	22,5
C4.7V63R22	4,7	63	1,5	9,0	17,0	32,0	22,5
C4.7V100R27	4,7	100	1,5	9,0	17,0	32,0	27,5
C6.8V100R27	6,8	100	1,5	11,0	20,0	32,0	27,5
C10V100R27	10,0	100	1,5	11,0	20,0	32,0	27,5
C22V63R27	22,0	63	1,0	13,0	22,0	32,0	27,5

### Dissipation Factor $\tan \delta$ (25 ±5°C)

	Measured at	
	1kHz	10kHz
$C \leq 1,0\mu F$	100x10 <sup>-4</sup>	150x10 <sup>-4</sup>
$C > 1,0\mu F$	100x10 <sup>-4</sup>	-

$C_N$  = Rated Capacitance,  $U_N$  = Rated Voltage DC, du/dt = Maximum Pulse Rise Time referring to  $U_N$  and Pitch

### Labelling

Rated capacitance, tolerance, DC rated voltage, manufacturers logo (abbreviated form according to IEC62)

### Terms of Delivery

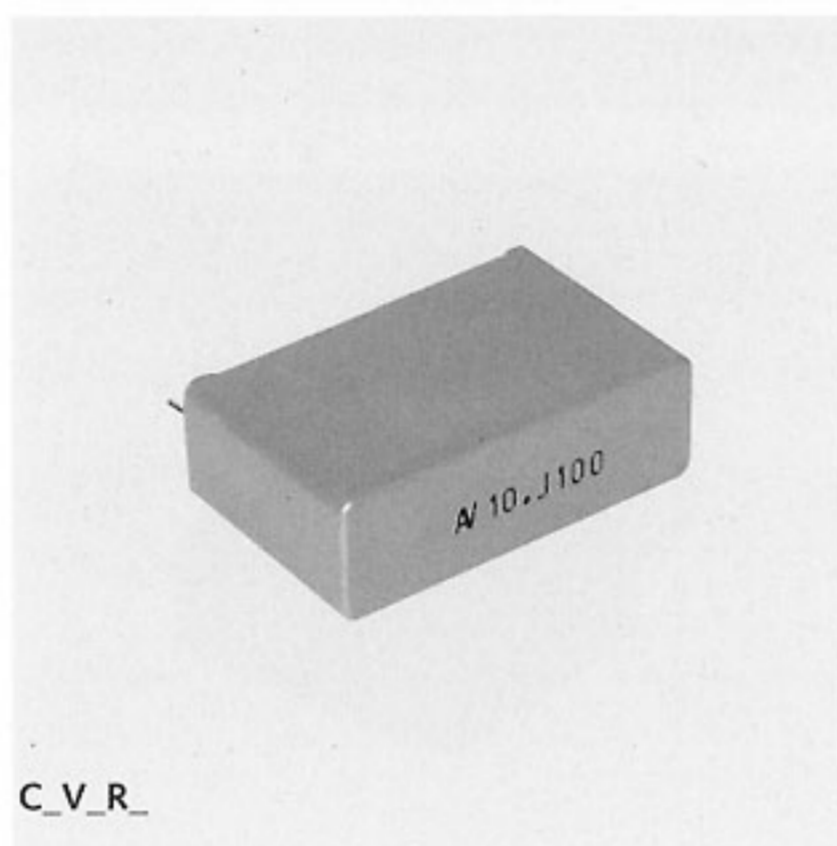
Minimum order quantity: 1 PKU = 10 pieces

Form of delivery: Bulk

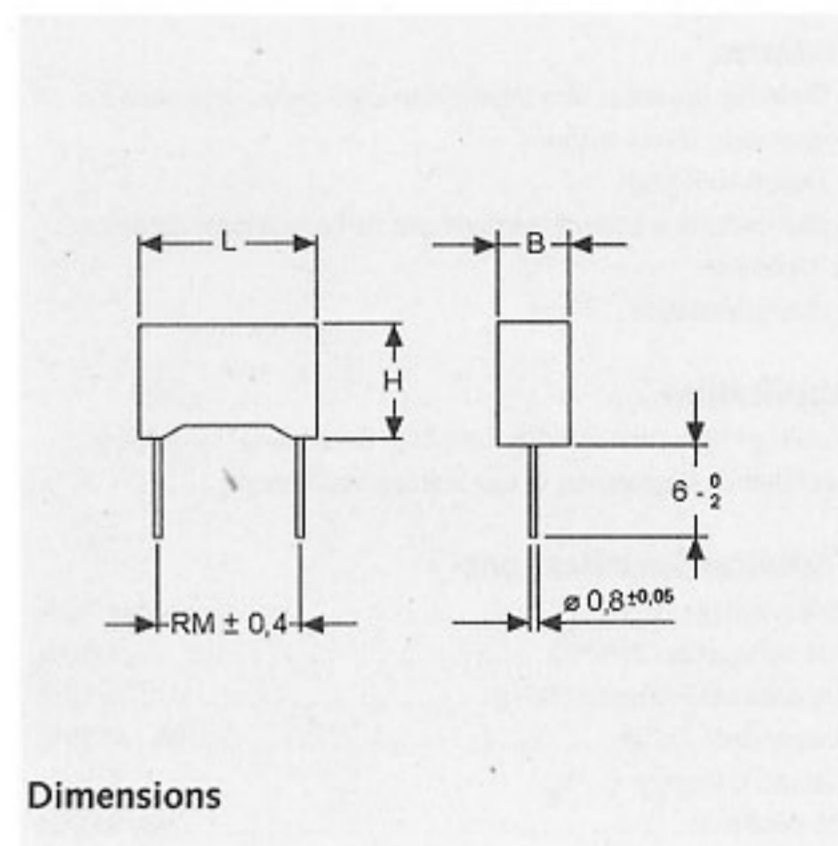
Articles in bold print in stock, other articles available on request, delivery time approx. 13 weeks.

Manufacturer:  ARCOTRONICS GROUP

<http://www.arcotronics.com>



C\_V\_R\_



Dimensions