

# CTR

For stringent requirements

## TYPE PPSAR

# Film and Foil Polystyrene Capacitors

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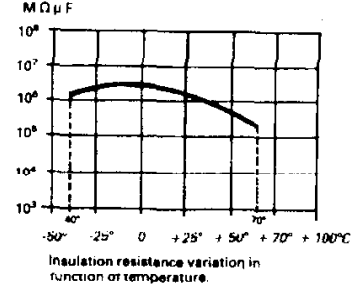
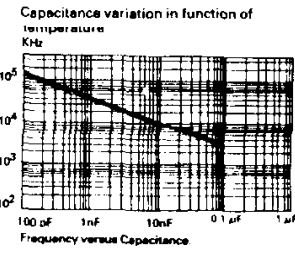
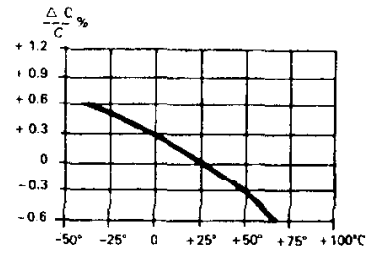
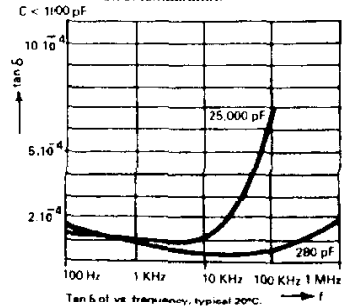
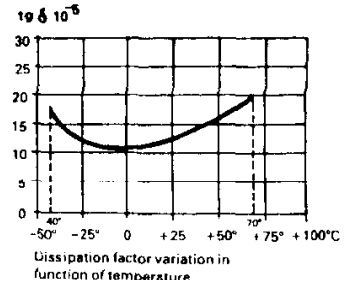


### Description :

Polystyrene Capacitor of extended foil construction. Leads are soldered directly onto the metal foil to provide excellent contact between the electrodes and the terminals. Round configuration wrapped in Polyester adhesive tape and sealed with epoxy resin. Ideally suited for applications where capacitance stability, high insulation resistance and low losses at high frequency are required

### Technical Data:

Dielectric:	Polystyrene
Capacitor Electrodes:	Metal Foil
Encapsulation:	Wrapped in Polyester adhesive tape and sealed with epoxy resin.
Temperature Range:	-55°C + 70°C
Insulation Resistance at 20°C:	Capacitance $\leq 0.1 \mu F \geq 5 \times 10^5 \text{ megohm}$ $> 0.1 \mu F \leq 5 \times 10^4 \text{ Secs}$
Power Factor:	capacitance $\leq 1000 \text{ pF} \leq 10 \times 10^{-4}$ at 1 MHz $> 1000 \text{ pF} \leq 5 \times 10^{-4}$ at 1 KHZ
Long term stability:	$> \pm 0.5\%$ over 2 years for temperature range $(\pm 23 \pm 5)^\circ\text{C}$ . All Capacitors are stabilised by thermal ageing cycles.
Reference standard:	JSS publication 50211 CQY 02
Capacitance Tolerance :	$\pm 1\%, \pm 2.5\%, \pm 5\%$ and close tolerance on request.
Test Voltage:	$2.5 \times$ Rated voltage
Climatic category:	55/70/56
Temperature Coefficient:	$-(120 \pm 50) \text{ ppm per degree C}$
Cross reference:	Arcotronics KS 1.39



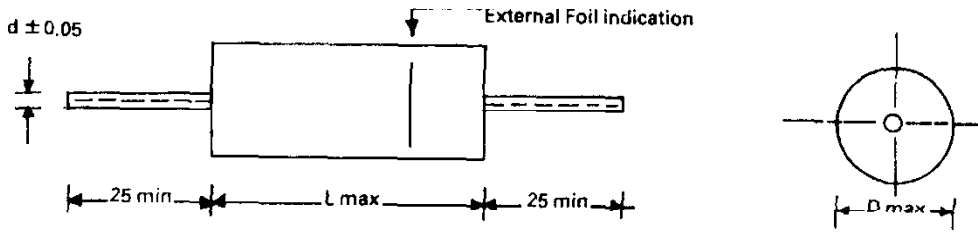
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AMED 05  
JULY 98

## Dimensions

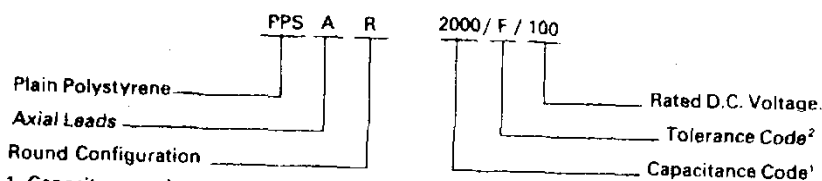


Dims in mm.

## General Data

Capacity in PF	63VDC			100VDC			250VDC			400VDC		
	D	L	d	D	L	d	D	L	d	D	L	d
100	7	17.5	0.6	7	17.5	0.6	7	17.5	0.6	7	17.5	0.6
120	7	17.5	0.6	7	17.5	0.6	7	17.5	0.6	7	17.5	0.6
150	7	17.5	0.6	7	17.5	0.6	7	17.5	0.6	7	17.5	0.6
180	7	17.5	0.6	7	17.5	0.6	7	17.5	0.6	7	17.5	0.6
220	7	17.5	0.6	7	17.5	0.6	7	17.5	0.6	7	17.5	0.6
270	7	17.5	0.6	7	17.5	0.6	7	17.5	0.6	7	17.5	0.6
330	7	17.5	0.6	7	17.5	0.6	7	17.5	0.6	7	17.5	0.6
390	7	17.5	0.6	7	17.5	0.6	7	17.5	0.6	7	17.5	0.6
470	7	17.5	0.6	7	17.5	0.6	7	17.5	0.6	7	17.5	0.6
560	7	17.5	0.6	7	17.5	0.6	7	17.5	0.6	7	17.5	0.6
680	7	17.5	0.6	7	17.5	0.6	7	17.5	0.6	7	17.5	0.6
820	7	17.5	0.6	7	17.5	0.6	7	17.5	0.6	7	17.5	0.6
1000	7	17.5	0.6	7	17.5	0.6	7	17.5	0.6	7	17.5	0.6
1200	7	17.5	0.6	7	17.5	0.6	9	17.5	0.6	9	17.5	0.6
1500	7	17.5	0.6	7	17.5	0.6	9	17.5	0.6	9	17.5	0.6
1800	7	17.5	0.6	7	17.5	0.6	9	17.5	0.6	9	17.5	0.6
2200	7	17.5	0.6	7	17.5	0.6	9	17.5	0.6	9	17.5	0.6
2700	7	17.5	0.6	9	17.5	0.6	9	17.5	0.6	9	17.5	0.6
3300	7	17.5	0.6	9	17.5	0.6	9	17.5	0.6	11	22.0	0.8
3900	7	17.5	0.6	9	17.5	0.6	9	17.5	0.6	11	22.0	0.8
4700	7	17.5	0.6	9	17.5	0.6	9	17.5	0.6	11	22.0	0.8
5600	7	17.5	0.6	9	17.5	0.6	9	17.5	0.6	11	22.0	0.8
6800	7	17.5	0.6	9	17.5	0.6	9	17.5	0.6	11	22.0	0.8
8200	7	17.5	0.6	9	17.5	0.6	11	22	0.8	11	22.0	0.8
10000	9	17.5	0.6	9	17.5	0.6	11	22	0.8	13	27	0.8
12000	9	17.5	0.6	9	17.5	0.6	11	22	0.8	13	27	0.8
15000	9	17.5	0.6	9	17.5	0.6	11	22	0.8	13	27	0.8
18000	9	17.5	0.6	9	17.5	0.6	11	22	0.8	13	27	0.8
22000	11	17.5	0.6	11	22	0.8	11	22	0.8	15	32	0.8
27000	11	17.5	0.6	11	22	0.8	11	22	0.8	15	32	0.8
33000	11	17.5	0.6	11	22	0.8	13	27	0.8	15	32	0.8
39000	13	17.5	0.6	11	22	0.8	13	27	0.8	17	38	0.8
47000	13	17.5	0.6	11	22	0.8	13	27	0.8	17	38	0.8
56000	13	22	0.8	11	22	0.8	15	32	0.8			
68000	13	22	0.8	13	27	0.8	15	32	0.8			
82000	13	22	0.8	13	27	0.8	15	32	0.8			
100000	15	22	0.8	13	27	0.8	15	32	0.8			
120000	15	22	0.8	15	32	0.8	16.5	38	0.8			
150000	16.5	22	0.8	15	32	0.8	16.5	38	0.8			
180000	16.5	22	0.8	15	32	0.8	16.5	48	0.8			
220000	16.5	27	0.8	16.5	38	0.8	19	48	0.8			
270000	16.5	27	0.8	16.5	38	0.8						
330000	19	27	0.8	18.5	48	0.8						
390000	19	32	0.8	18.5	48	0.8						
470000	19	32	0.8	18.5	48	0.8						
560000	22	32	0.8	18.5	48	0.8						
680000	18.5	51	0.8									
820000	20	51	0.8									
1000000	22	51	0.8									

## Order Information



1. Capacitance value in picofarads.

2. D = ± 0.5%, F = ± 1%, G = ± 2%, H = ± 2.5%, J = ± 5%