

ENGLISH

Datasheet

RS 220pF ±2.5% 160 V dc Axial Through Hole Polystyrene Film Capacitor 4mm

RS Stock 113-285



Specifications

POLYSTRYRENE is a superior dielectric material with exceptionally high insulation resistance and low loss.

Aluminium foil electrodes are used and terminal wires are welded to them to ensure satisfactory performance at low voltage and high frequency.

LCR POLYSTYRENE FILM CAPACITORS offer:

Low temperature coefficient

Close capacitance tolerance

Extreme capacitance stabilty

Low power factor

High Q

High insulation resistance

Small physical size



LCR POLYSTRYRENE CAPACITORS

are recommended for use in I.F. transformers, tuned circuits, pulse networks, laboratory standards, timing circuits, analogue and digital computing circuits and many other applications where superior qualities are used to advantage.

MARKING

Test Voltage

Wherever possible capacitance tolerance and working voltage are clearly indicated by black digital lettering, but on small components a letter code is used for tolerance.

CHARACTERISTICS				
TYPE LCR (Standard Polystyrene)				
Capacitance	25pF - 200,000pF			
Capacitance Tolerance	+- 20%,10%,5%			
+- 2.5% or +- 1pF min				
Tolerances closer than 2.5% are available				
Voltage (DC working)	30, 63, 160, 400, 630V			
Temperature Range	-40C to +85C			
Temperature Coefficient	N 150 +- 50 ppm/C			
Power Factor	<0.0005			
Insulation Resistance (dry)	>10,000,000 Mohm			
Insulation Resistance (after humidity cycle)	50,000 Mohm			
	All comp tooted at 2 F			

All caps tested at 2.5 times working voltage

Capacitance Tolerance Code 1pF - F 2.5% - H 5% - J 10% - K 20% - M 20% - M 20% - M Voltage Letter Code 30V - Z 160V - X

400V - V 630V - U Terminations Tinned copper wire

Capacitance Stability				
Capacitor Length Long Term stabilty				
10 mm and over	+- (0.2% + 0.4pF)			
8 mm	+- (0.5% + 0.4pF)			

Capacitor Length (mm)	Wire Diameter (mm)
8 mm	0.3
10 mm	0.5
over 10 mm	0.6

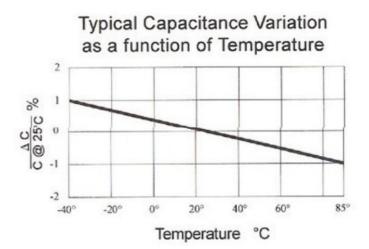
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RS, Professionally Approved Products, gives you professional quality parts across all products categories. Our range has been testified by engineers as giving comparable quality to that of the leading brands without paying a premium price.



Voltage	Capacity	Length	Diameter
30V	25-1,000	8.0	4.0
	1,001-2,000	8.0	4.5
	2,001-3,000	8.0	5.0
	3,001-5,000	10.0	4.5
	5,001-7,500	10.0	6.5
	7,501-30,000	15.0	9.0
	30,001-50,000	20.0	10.0
	50,001-100,000	30.0	11.0
	100,001-200,000	30.0	15.0
63V	25-500	8.0	4.0
	501-750	8.0	5.0
	751-1,000	8.0	5.5
	1,001-2,200	10.0	6.0
	2,201-5,000	10.0	6.0
	5,001-6,800	10.0	7.0
	6,801-10,000	15.0	8.0
	10,001-15,000	15.0	10.0
	15,001-40,000	20.0	15.0
	40,001-100,000	30.0	15.0
^{160∨}	25-250	8.0	4.0
	251-500	8.0	5.0
	501-1,000	10.0	6.0
	1,001-4,000	10.0	8.0
	4,001-7,500	15.0	9.5
	7,501-40,000	20.0	15.0
	40,001-100,000	30.0	18.0
400∨	25-100	8.0	4.0
	101-470	10.0	6.0
	471-1,000	10.0	8.0
	1,001-2,200	10.0	9.0
	2,201-5,000	15.0	12.0
	5,001-15,000	20.0	15.0
	15,001-50,000	30.0	20.0
	50,001-100,000	40.0	30.0
630∨	25-100	10.0	5.0
	101-250	10.0	6.0
	251-1,000	10.0	9.0
	1,001-3,000	15.0	10.0
	3,001-7,500	20.0	14.0
	7,501-40,000	30.0	23.0
	40,001-100,000	44.0	25.0

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