

SOLEN FILM & FOIL FAST CAPACITORS

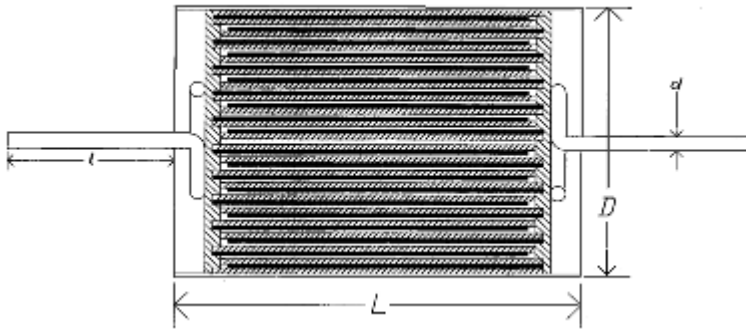
- GENERAL INFORMATION

Type : Tin Foil / Polypropylene Film Capacitor.
 Dielectric : Bi-axially Oriented Polypropylene Film.
 Construction Round Tubular "Square Aspect Ratio" Type, Axial Leads.
 Coating : White Plastic Tape Wrapped, Black Epoxy Resin Sealed.
 Electrodes : Pure Tin Foil.
 Winding : Bifilar Extended Foil Design.
 Contact : Non-Inductive, Radially Knurled Extended Foil.
 Connectors: Tinned Plated Oxygen Free Pure Copper.

- TECHNICAL DATA

Capacitance Range/Tolerance : .01 ... 2.0 uF, E 12 series, +-3 %, typ. 1% (see specifications for details)
 Dielectric Constant : 2.1 er, non-polar dielectric.
 Dielectric Absorption Factor : Less Than .05 % @ 20°C.
 Equivalent Series Resistance : Extremely Low (see specifications for details)
 Dissipation Factor : Extremely Low (see specifications for details)
 Self Inductance : Less Than 12 nH with 6 mm leads.
 Insulation Resistance : More than 100,000 MegOhm @ 20°C.
 Temperature Range : -55°C to +85°C.
 Test Voltage : 1.5 x Vr for 5 sec.
 Rated Voltage : 100 VDC/63 VAC, 150 VDC/100 VAC, 250 VDC/160 VAC
 : 400 VDC/250 VAC, 630 VDC/400 VAC, 1200 VDC/400 VAC.
 Dielectric Thickness : 4 micron, 5 micron, 6 micron, 10 micron.
 Metal Layers Thickness: 5 micron
 Leads Diameter : 0.8, 1.0 mm pure copper.. (see specifications for details)

PARTS CONNEXION



SOLEN INC.

FAST CAPACITORS

TIN FOIL Dissipation Factor (%) $\pm 10\%$
Dimensions (mm) $\pm 10\%$

SN 1200Vdc/400Vac SM 630Vdc/400Vac
SE 400Vdc/250Vac SY 250Vdc/160Vac
SB 150Vdc/100Vac SA 100Vdc/63Vac

P/N Capacitance/DF x L x l

SN0010 .010 mfd .00007 5 x 23 0.8 x 30

SM0022 .022 mfd .00007 5 x 23 0.8 x 30
SM0047 .047 mfd .00008 8 x 28 0.8 x 30
SM010 .10 mfd .00009 11 x 23 0.8 x 30
SM022 .22 mfd .00010 13 x 28 0.8 x 30
SM033 .33 mfd .00011 16 x 28 1.0 x 30
SM047 .47 mfd .00012 15 x 36 1.0 x 35
SM068 .68 mfd .00013 18 x 36 1.0 x 35
SM082 .82 mfd .00015 20 x 36 1.0 x 35
SM100 1.0 mfd .00017 22 x 36 1.0 x 35

SE150 1.5 mfd .00019 23 x 36 1.0 x 35
SE200 2.0 mfd .00021 25 x 38 1.0 x 35

SY220 2.2 mfd .00023 24 x 38 1.0 x 35

SB270 2.7 mfd .00025 20 x 38 1.0 x 35
SB330 3.3 mfd .00027 24 x 38 1.0 x 35
SB390 3.9 mfd .00029 26 x 38 1.0 x 35

SA470 4.7 mfd .00031 25 x 38 1.2 x 35

- ELECTRICAL PERFORMANCE

Very Low Dielectric Absorption Factor.
Very Low Equivalent Series Resistance.
Very Low Self Inductance.
Very High Self Resonant Frequency
Ultra Linear Impedance Characteristics.
Very Low Dissipation Factor.
Very High Insulation Resistance.

- FEATURE

Special Tubular "Square Aspect Ratio" Type Construction.
Very High Conductivity Tin Foil.
Tin/Silver Soldered Lead Termination.
Very High Current Capacity.
High Frequency and Temperature Stability.
Excellent Long Term Electrical and Mechanical Reliability.
No Short Term and / or Long Term Signal Aberation.
Unrivalled Handling of Fast High Current Pulse.

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