

SOLEN TEFLON™ FEP FILM & TIN FOIL CAPACITORS

- **GENERAL INFORMATION**

Type : Tin Foil / Teflon™ FEP Film Capacitor.
Dielectric : Biaxially Oriented Teflon™ FEP Film.
Construction : Round Tubular "Square Aspect Ratio" Type, Axial Leads.
Coating : Green Plastic Tape Wrapped, Grey 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**

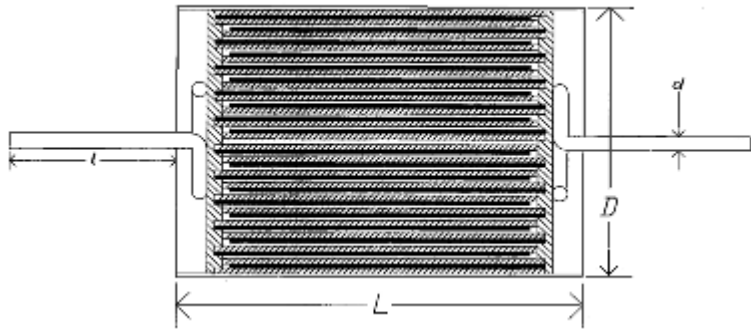
Capacitance Range/Tolerance : .03382 uF, E 24 series, +-5 %, typ. 2% (see specifications for details)
Dielectric Constant : 2.0 er, non-polar dielectric.
Dielectric Absorbtion Factor : Less Than .05 % @ 20°C.
Equivalent Series Resistance : Extremely Low (see specifications for details)
Dissipation Factor : 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 : -40°C to +130°C.
Test Voltage : 1.5 x Vr for 5 sec.
Rated Voltage : 1000 VDC/400 VAC.
Dielectric Thickness : 5.5 micron, 10 micron.
Metal Layers Thickness : 5 micron
Leads Diameter : 1.2, 1.8 mm pure copper.. (see specifications for details)

- **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.
- Unrivaed Handling of Fast High Current Pulse.

- **ELECTRICAL PERFORMANCE**

- Very Low Dielectric Absortion 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.



SOLEN INC.

FAST CAPACITORS
TEFLON™ FEP FILM & TIN FOIL

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

S3Q 1000Vdc/300Vac

P/N	Capacitance/DF	D x L	d x l
S3Q33N	.033 mfd .00003	8 x 36	1.2 x 40
S3Q47N	.047 mfd .00004	9 x 36	1.2 x 40
S3Q100N	.10 mfd .00007	9 x 36	1.2 x 40
S3Q220N	.22 mfd .00008	13 x 36	1.2 x 40
S3Q330N	.33 mfd .00009	15 x 36	1.2 x 40
S3Q470N	.47 mfd .00010	18 x 36	1.2 x 40
S3Q680N	.68 mfd .00012	21 x 36	1.2 x 40
S3Q820N	.82 mfd .00013	23 x 36	1.2 x 40