

## 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 : .033 ... .82 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 : 450 VDC/300 VAC, 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)

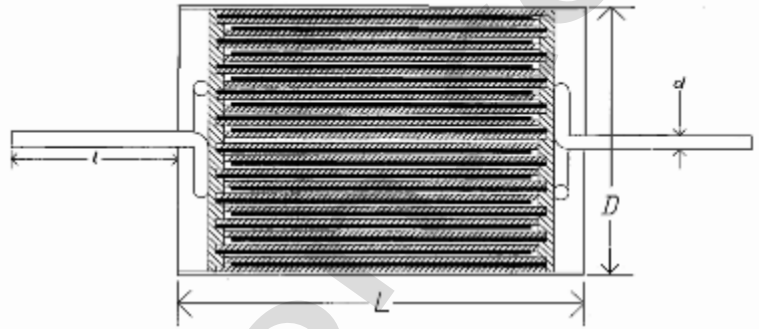
- FEATURE

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.  
 Unrivald Handling of Fast High Current Pulse.

## SOLEN TEFLON™ FEP FILM & TIN FOIL CAPACITORS

- 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.



SOLEN INC.

FAST CAPACITORS  
TEFLON™ FEP FILM & TIN FOIL

S3Q 450Vdc/300Vac

P/N	Capacitance/DF	x L	x l
S3Q47N	.047 mfd .00004	8 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

Dissipation Factor (%) ±10%  
Dimensions (mm) ±10%

S3ZQ 1000Vdc/400Vac

P/N	Capacitance/DF	x L	x l
S3ZQ33N	.033 mfd .00003	9 x 36	1.2 x 40
S3ZQ47N	.047 mfd .00004	11 x 36	1.2 x 40
S3ZQ68N	.068 mfd .00005	13 x 36	1.8 x 40
S3ZQ82N	.082 mfd .00006	14 x 36	1.8 x 40
S3ZQ100N	.10 mfd .00007	16 x 36	1.8 x 40
S3ZQ220N	.22 mfd .00008	23 x 36	1.8 x 40
S3ZQ330N	.33 mfd .00009	28 x 36	1.8 x 40
S3ZQ470N	.47 mfd .00010	33 x 36	1.8 x 40