

FAST CAPACITORS

METALLIZED TEFLON FEP tm

- **GENERAL INFORMATION**

Type : Metallized Teflon TM Film Capacitor.
Dielectric : Biaxially Oriented Teflon TM Film.
Construction : Round Tubular "Square Aspect Ratio" Type, Axial Leads.
Coating : Blue Plastic Tape Wrapped, Black Epoxy Resin Sealed.
Electrodes : Aluminium Metallized, Vacuum Deposited.
Winding : Bifilar Extended Metallized Film.
Contact : Non-Inductive, Zinc Thermal Arc Sprayed on Extended Film.
Connectors : Tinned Plated Oxygen Free Pure Copper.

- **TECHNICAL DATA**

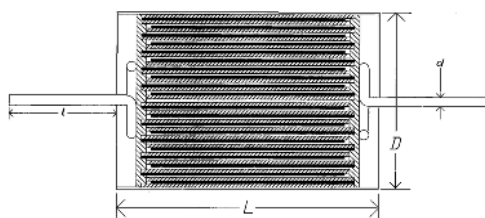
Capacitance Range/Tolerance : .22 ... 10.0 uF, E 24 series, +-5 %, typ 2% (see specifications for details)
Dielectric Constant : 2.0 er, non-polar dielectric.
Dielectric Absorption Factor : Less Than .05 % @ 20°C.
Equivalent Series Resistance : Extremely Low (see specifications for details)
Dissipation 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 : -40°C to +120°C.
Test Voltage : 1.5 x Vr for 5 sec.
Rated Voltage : 1000 VDC/400 VAC.
Dielectric Thickness : 10 micron.
Metal Layers Thickness : .05 micron
Leads Diameter : 1.0, 1.2, 1.8 & 2.2 mm pure copper.. (see specifications for details)

- **FEATURE**

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

- **ELECTRICAL PERFORMANCE**

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



SOLEN INC.

FAST CAPACITORS

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

3Q 1000Vdc/400Vac

P/N	Capacitance/DF	x L	x l
3Q220N	.22 mfd .00015	11 x 40	1.0 x 40
3Q330N	.33 mfd .00018	13 x 40	1.0 x 40
3Q470N	.47 mfd .00022	15 x 40	1.0 x 40
3Q680N	.68 mfd .00025	18 x 40	1.0 x 40
3Q820N	.82 mfd .00028	20 x 40	1.0 x 40
3Q1U0	1.0 mfd .00031	22 x 40	1.0 x 40
3Q2U2	2.2 mfd .00039	32 x 40	1.2 x 40
3Q3U3	3.3 mfd .00046	39 x 40	1.2 x 40
3Q4U7	4.7 mfd .00055	35 x 60	1.6 x 40
3Q6U8	6.8 mfd .00065	42 x 60	1.6 x 40
3Q8U2	8.2 mfd .00076	46 x 60	1.6 x 40
3Q10U	10 mfd .00084	51 x 60	1.6 x 40