

FAST CAPACITORS

SILVER METALLIZED MKP

- **GENERAL INFORMATION**

Type : Silver Metallized Polypropylene Film Capacitor.
Dielectric : Biaxially Oriented Polypropylene Film.
Construction : Round Tubular "Square Aspect Ratio" Type, Axial Leads.
Coating : Silver Plastic Tape Wrapped, Black Epoxy Resin Sealed.
Electrodes : Silver 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**

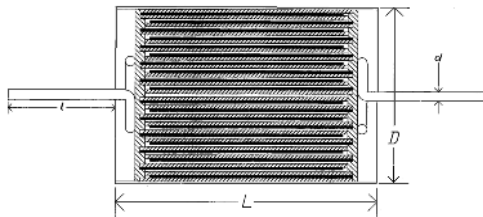
Capacitance Range/Tolerance : 1.0 ... 10.0 uF, E 24 series, +-5 %, typ 3% (see specifications for details)
Dielectric Constant : 2.1 er, non-polar dielectric.
Dielectric Absorption Factor : Less Than .05 % @ 20°C.
Equivalent Series Resistance : Extremely Low (see specifications for details)
Dissipation 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 : -25°C to +85°C.
Test Voltage : 1.5 x Vr for 5 sec.
Rated Voltage : 700 VDC/400 VAC.
Dielectric Thickness : 8 micron.
Metal Layers Thickness : .05 micron
Leads Diameter : 1.0mm 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.

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

AgM 700Vdc/400Vac

P/N	Capacitance/DF	D x L	d x l
AGM100	1.0 mfd .00005	12 x 38	1.0 x 40/60
AGM150	1.5 mfd .00005	14 x 38	1.0 x 40/60
AGM200	2.0 mfd .00006	16 x 38	1.0 x 40/60
AGM270	2.7 mfd .00006	19 x 38	1.0 x 40/60
AGM330	3.3 mfd .00007	20 x 38	1.0 x 40/60
AGM390	3.9 mfd .00008	22 x 38	1.0 x 40/60
AGM470	4.7 mfd .00008	24 x 38	1.0 x 40/60
AGM560	5.6 mfd .00009	26 x 38	1.0 x 40/60
AGM680	6.8 mfd .00010	29 x 38	1.0 x 40/60
AGM820	8.2 mfd .00011	32 x 38	1.0 x 40/60
AGM1000	10 mfd .00012	35 x 38	1.0 x 40/60