

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**

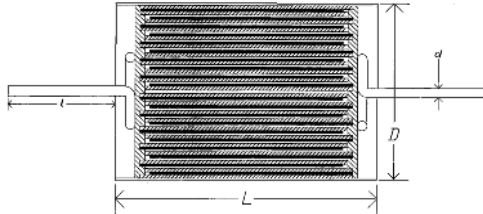
Capacitance Range/Tolerance : 0.10 ... 56.0 uF, E 24 series, +-5 %, typ 3% (see specifications for details)
Dielectric Constant : 2.1 er, non-polar dielectric.
Dielectric Absorption Factor : Less Than .05 % @ 20°C.
Equivalent Series Resistance : Extremely Low (see specifications for details)
Dissipation 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 : 0.8, 1.0, 1.2 & 1.6mm OFC.. (see specs 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
AGM010	0.10 mfd .00003	7 x 25	0.8 x 60
AGM022	0.22 mfd .00003	9 x 25	0.8 x 60
AGM033	0.33 mfd .00003	11 x 25	0.8 x 60
AGM047	0.47 mfd .00004	13 x 25	0.8 x 60
AGM056	0.56 mfd .00004	14 x 25	0.8 x 60
AGM068	0.68 mfd .00004	15 x 25	0.8 x 60
AGM082	0.82 mfd .00005	16 x 25	0.8 x 60
AGM100	1.0 mfd .00005	18 x 25	0.8 x 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
AGM220	2.2 mfd .00006	17 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
AGM1200	12 mfd .00014	31 x 55	1.2 x 40/60
AGM1500	15 mfd .00018	34 x 55	1.2 x 40/60
AGM1800	18 mfd .00022	37 x 55	1.2 x 40/60
AGM2200	22 mfd .00026	41 x 55	1.2 x 40/60
AGM2700	27 mfd .00032	45 x 55	1.2 x 40/60
AGM3300	33 mfd .00038	46 x 65	1.2 x 40/60
AGM3900	39 mfd .00044	49 x 65	1.2 x 40/60
AGM4700	47 mfd .00052	54 x 65	1.6 x 40/60
AGM5600	56 mfd .00060	59 x 65	1.6 x 40/60