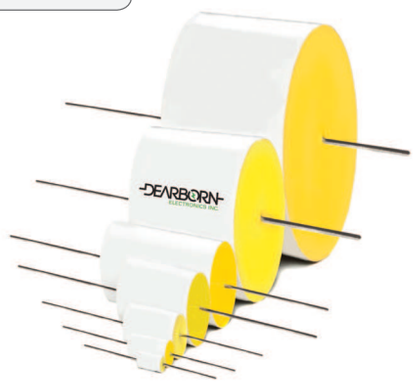
TYPE 734G

WRAP-AND-FILL OVAL CONFIGURATION METALIZED POLYPROPYLENE FILM CAPACITORS

G-FORCE
POWER CAPACITORS



FEATURES

- New smaller size
- High stability
- High current
- Low ESR
- Low inductance
- Excellent AC performance
- Oval configuration affords economy of space

MAJOR APPLICATIONS:
High current and pulse operations, snubber circuits, oscillator circuits, SMPS applications, deflection circuits, and other applications where high capacitance, high current and small size are important.

PHYSICAL CHARACTERISTICS

CONSTRUCTION:
Non-inductive wound metalized polypropylene.

CASE:
Flame retardant tape wrap and epoxy endfill.

LEAD MATERIAL:
Solder coated copper wire.

LEAD STRENGTH:
Capable of withstanding a five pound pull force on lead axis.

MARKING:
Dearborn trademark, type or catalog number, capacitance, tolerance and voltage.

ELECTRICAL SPECIFICATIONS

CAPACITANCE RANGE: 0.47 µF to 10.0 µF

VOLTAGE RATING:
- 400 VDC to 600 VDC
- 220 VRMS to 277 VRMS

CAPACITANCE TOLERANCE: ±20%, ±10%, ±5%

OPERATING TEMPERATURE: -55°C to +105°C

VOLTAGE DERATING: At +105°C, 70% of the 85°C rating

DISSIPATION FACTOR: 0.07% maximum

EQUIVALENT SERIES RESISTANCE: 20kHz - 100kHz, see standard rating table

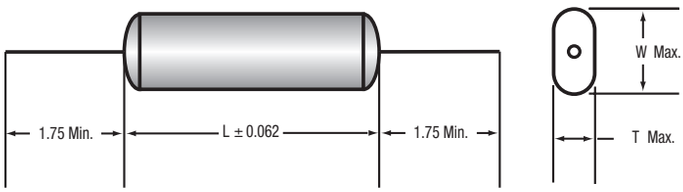
DC VOLTAGE TEST: 200% of rated voltage for 2 minutes

INSULATION RESISTANCE:
Measure at 100 VDC after a 2 minute charge.
- At +25°C, 200,000 Megaohm-Microfarads, need not exceed 400,000 Megaohms
- At +85°C, 10,000 Megaohm-Microfarads, need not exceed 20,000 Megaohms
- At +105°C, 1,000 Megaohm-Microfarads, need not exceed 2,000 Megaohms

MAXIMUM PULSE RISE TIME

Capacitor Length (inch)	Rise Time dv / dt (V / µs)	
	400 VDC	600 VDC
1.25	35	50
1.50	-	38
1.75	19	-
2.25	14	22

DIMENSIONS (in inches)



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METALIZED POLYPROPYLENE FILM CAPACITORS

STANDARD RATINGS

Capacitance µF	Catalog Number	Case Size (inches)			Lead Size AWG	Typicla ESR (MΩ)	Current (A)
		T	W	L			
400 VDC / 220 VAC*							
0.47	734G474X0400	0.28	0.53	1.25	20	21	4
0.68	734G684X0400	0.30	0.59	1.25	20	13	6
1.00	734G105X0400	0.39	0.65	1.25	20	11	9
1.50	734G155X0400	0.48	0.75	1.25	20	9	10
2.20	734G225X0400	0.56	0.89	1.25	20	8	11
3.30	734G335X0400	0.69	0.99	1.25	20	7	15
4.70	734G475X0400	0.64	0.95	1.75	18	7	17
6.80	734G685X0400	0.67	0.96	2.25	18	7	17
10.00	734G106X0400	0.75	1.25	2.25	18	7	18
600 VDC / 277 VAC*							
0.47	734G474X0600	0.46	0.75	1.25	20	13	4
0.68	734G684X0600	0.55	0.85	1.25	20	10	6
1.00	734G105X0600	0.67	0.97	1.25	20	8	9
1.50	734G155X0600	0.73	1.03	1.50	20	7	11
2.20	734G225X0600	0.64	0.94	2.25	18	10	13
3.30	734G335X0600	0.70	1.05	2.25	18	9	16
4.70	734G475X0600	0.80	1.30	2.25	18	8	17
5.00	734G505X0600	0.95	1.25	2.25	18	7	18
6.80	734G685X0600	1.00	1.50	2.25	18	7	18
10.00	734G106X0600	1.20	1.80	2.25	18	7	18

Additional capacitance values, voltages, and tolerances are available upon request.

* AC voltage rating is at 400Hz 1.4 x VRMS + VDC should not exceed the rated VDC.
* Graphs of AC voltage vs. frequency follow.