

# PREFORMED RECTANGULAR BOX METALIZED POLYPROPYLENE FILM CAPACITORS



## FEATURES

- Flame retardant case
- Small size light weight
- High insulation resistance
- Low ESR

### MAJOR APPLICATIONS:

Timing, integrating, telecommunications, AC, audio, and digital circuitry.

## PHYSICAL CHARACTERISTICS

### CONSTRUCTION:

Non-inductive wound metalized polypropylene.

### CASE:

Flame retardant preformed case and epoxy fill.

### LEAD MATERIAL:

Solder coated solid wire No. 18 AWG.

### 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  $\mu$ F to 3.5  $\mu$ F

### VOLTAGE RATING:

600 VDC

### CAPACITANCE TOLERANCE:

$\pm 20\%$ ,  $\pm 10\%$ ,  $\pm 5\%$

### OPERATING TEMPERATURE:

-55°C to +105°C

### VOLTAGE DERATING:

At +105°C, 70% of the 85°C rating

### DISSIPATION FACTOR:

0.07% maximum

### DC VOLTAGE TEST:

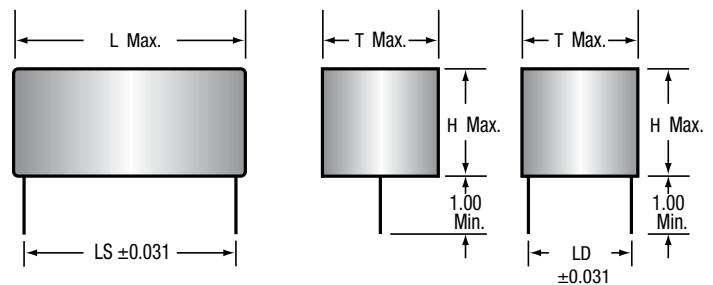
150% of rated voltage for 2 minutes

### INSULATION RESISTANCE:

Measure at rated VDC after a 2 minute charge.

- At +25°C, 100,000 Megaohm-Microfarads, need not exceed 200,000 Megaohms

## DIMENSIONS (in inches)



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TYPE 744G

## STANDARD RATINGS

Capacitance $\mu\text{F}$	VDC	T	H	L	LS	LD
0.47	600	0.400	0.790	1.015	0.90	-
0.68	600	0.400	0.790	1.015	0.90	-
1.00	600	0.520	0.790	1.215	1.10	0.30
2.50	600	0.895	0.790	1.390	1.20	0.50
3.00	600	0.920	0.790	1.645	1.40	0.50
3.50	600	0.920	0.790	1.645	1.40	0.50

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