TYPE 744G

# PREFORMED RECTANGULAR BOX
# METALIZED POLYPROPYLENE FILM CAPACITORS

G-FORCE
POWER 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 µF to 3.5 µF

**VOLTAGE RATING:**
600 VDC

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

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

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

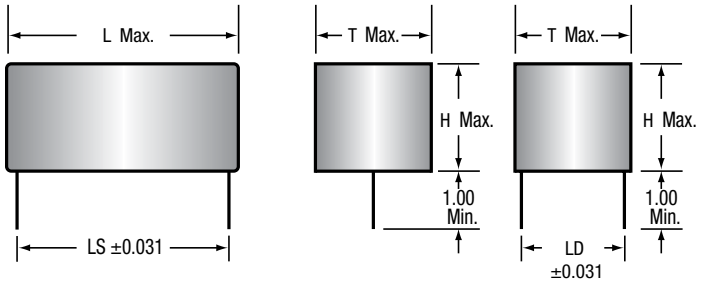
**DISSIPATION FACTOR:**
0.07% maximum

**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)



## STANDARD RATINGS

| Capacitance µF | 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.