

PART NUMBER: 688LMU035M2BG

+105°C, LONG LIFE 2000 HRS

PARTS ARE ROHS COMPLIANT

FEATURES

bulk filtering, high current, snap mount leads, 105C

APPLICATIONS

Bulk filtering, switching power supplies

ELECTRICAL SPECIFICATIONS

Capacitance: 6800 uF

Dissipation Factor: 0.25 Max at 120 Hz

Temperature Range: -40°C to +105°C

ESR: 60.95 milliOhms Max at 20°C and 120 Hz

Impedance: N/A

Tolerance: -20 % , +20 %

WVDC: 35 Volts DC

SVDC: 44 Volts DC

Ripple Current: 2.53 A at 120 Hz and 105°C

Impedance Ratios: -25°C/20°C - 3
-40°C/20°C - 6

Leakage Current: .02CV or 2000uA, whichever is less 2000 uA after 5 Minutes

Load Life: 2000 hours at 105°C with 100 % of rated voltage and with 100 % of rated ripple current

Max Capacitance Change: ≤20% of initially measured value

Dissipation Factor Change: ≤200% of maximum specified value

Leakage Current: ≤100% of maximum specified value

Ripple Current Multipliers

Frequency Multipliers:

50 Hz	120 Hz	400 Hz	1 kHz	10 kHz	100 kHz
0.9	1	1	1.15	1.25	1.25

Temperature Multipliers:

45°C	60°C	70°C	65°C	75°C	85°C	105°C	125°C
1	1	1	1	1	1	1	1

PHYSICAL DIMENSIONS

Diameter (D): 22 mm +/- 1 mm

Length (L): 45 mm, +/- 2 mm

Lead Spacing (S): 10 mm, +/- 0.1 mm

Lead Wire Diameter (d): 1.5 mm, +/- 0.5 mm

Lead Length (LL): 6.3 mm, +/- 1 mm

Lead Finish: Matte Tin

Coating: Brown PVC sleeving

