

PART NUMBER: 688LBB035M2BE

+85°C, REDUCED SIZE, LONG LIFE, 3000 HOURS

PARTS ARE ROHS COMPLIANT

FEATURES

bulk filtering, high current, snap mount leads, 3000 hour life

ELECTRICAL SPECIFICATIONS

Capacitance: 6800 uF

Dissipation Factor: 0.25 Max at 120 Hz

Temperature Range: -40°C to +85°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: 2.82 A at 120 Hz and 85°C

Impedance Ratios: -25°C/20°C - 3
-40°C/20°C - 8

Leakage Current: .02CV or 3000uA, whichever is less 3000 uA after 5 Minutes

Load Life: 3000 hours at 85°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
0.8	1	1.15	1.25	1.35	1.4

Temperature Multipliers:

45°C	60°C	70°C	65°C	75°C	85°C	105°C	125°C
1.8	1.4	1.2	1.2	1	1	0	0

PHYSICAL DIMENSIONS

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

Length (L): 35 mm, +/- 2 mm

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

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

Lead Length (LL): 4 mm, +/- .5 mm

Lead Finish: Matte Tin

Coating: BLACK PVC sleeving

