

PART NUMBER: 687LMU200M2DE

SNAP-IN/ SNAP MOUNT

Parts are RoHS compliant

Date code when parts became RoHS: 14

FEATURES

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

APPLICATIONS

Bulk filtering, switching power supplies

ELECTRICAL SPECIFICATIONS

Capacitance: 680 uF

Dissipation Factor: 0.1 Max at 120 Hz and 20°C

Temperature Range: -40°C to +105°C

ESR: 243.8 milliOhms Max at 20°C and 120 Hz

Impedance: N/A

Tolerance: -20 % , +20 %

WVDC: 200 Volts DC

SVDC: 250 Volts DC

Ripple Current: 1.88 A at 120 Hz and 105°C

Impedance Ratios:

-25°C/20°C - 4

-40°C/20°C - 12

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

Capacitance Change: $\leq 20\%$ of initial measured value

Dissipation Factor: $\leq 200\%$ of maximum specified value

Leakage Current: $\leq 100\%$ 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 | 1.25 | 1.47 | 1.47 |

Temperature Multipliers:

| | | | | | | | |
|------|------|------|------|------|------|-------|-------|
| 45°C | 60°C | 70°C | 65°C | 75°C | 85°C | 105°C | 125°C |
| 2 | 1.9 | 1.7 | 1.8 | 1.4 | 1.4 | 1 | 0 |

PHYSICAL DIMENSIONS

Diameter (D): 30 mm + 1 mm

Length (L): 35 mm + 2 mm

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

Coating: Brown PET sleeving

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

Lead Length: 6.3 mm +/- 1 mm

Lead Finish: Matte Tin

