

# PART NUMBER: 128LMU200M2DH

## +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:** 1200 uF

**Dissipation Factor:** 0.1 Max at 120 Hz

**Temperature Range:** -40°C to +105°C

**ESR:** 138.16 milliOhms Max at 20°C and 120 Hz

**Impedance:** N/A

**Tolerance:** -20 % , +20 %

**WVDC:** 200 Volts DC

**SVDC:** 250 Volts DC

**Ripple Current:** 2.65 A at 120 Hz and 105°C

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

**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
0.8	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
1	1	1	1	1	1	1	1

#### PHYSICAL DIMENSIONS

**Diameter (D):** 30 mm +/- 1 mm

**Length (L):** 50 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

