

# PART NUMBER: 477LMU400M2EH

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: 470  $\mu$ F

Dissipation Factor: 0.2 Max at 120 Hz and 20°C

Temperature Range: -40°C to +105°C

ESR: 705.47 milliOhms Max at 20°C and 120 Hz

Impedance: N/A

Tolerance: -20 % , +20 %

WVDC: 400 Volts DC

SVDC: 450 Volts DC

Ripple Current: 1.67 A at 120 Hz and 105°C

Impedance Ratios:

-25°C/20°C - 8

-40°C/20°C - -

Leakage Current: .02CV or 2000 $\mu$ A, whichever is less  
2000  $\mu$ A 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      | 1.3   | 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): 35 mm + 1 mm

Length (L): 50 mm + 2 mm

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

Coating: Brown PVC sleeving

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

Lead Length: 6.3 mm +/- 1 mm

Lead Finish: Matte Tin

