



# 827LMH400MZEH

SNAP-IN/ SNAP MOUNT

Parts are RoHS compliant

Date code when parts became RoHS: 27

**APPLICATIONS:** Filtering, switching power supplies

## ELECTRICAL SPECIFICATIONS

**Capacitance:** 820 uF

**Dissipation Factor:** 0.15 Max at 120 Hz and 20°C

**Temperature Range:** -25°C to +105°C

**Impedance:** N/A

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

**WVDC:** 400 Volts DC

**SVDC:** 450 Volts DC

**Ripple Current:** 2.3 A at 120 Hz and 105°C

**Impedance Ratios:**-25°C/20°C 8 and - - -

**Leakage Current:**  $3\sqrt{CV}$

1718 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

### 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:** GreenPET sleeving

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

**Lead Length:** 4 mm +/- 1 mm

**Lead Finish:** Matte Tin

