



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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# PART NUMBER: 686LMU450M2BD

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: 68  $\mu$ F

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

Temperature Range: -40°C to +105°C

ESR: 4878.54 milliOhms Max at 20°C and 120 Hz

Impedance: N/A

Tolerance: -20 % , +20 %

WVDC: 450 Volts DC

SVDC: 500 Volts DC

Ripple Current: 0.42 A at 120 Hz and 105°C

Impedance Ratios:

-25°C/20°C - 8

-40°C/20°C - -

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	1.3	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): 22 mm + 1 mm

Length (L): 30 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

