



ATB686M025

SURFACE MOUNT

Parts are RoHS compliant

Date code when parts became RoHS: 17

ELECTRICAL SPECIFICATIONS

Capacitance: 68 μ F

Dissipation Factor: 0.14 Max at 120 Hz and 20°C

Temperature Range: -55°C to +105°C

Impedance: 0.34N/A

Tolerance: -20 %, +20 %

WVDC: 25 Volts DC

SVDC: 32 Volts DC

Ripple Current: 280 mA at 100 kHz and 105°C

Impedance Ratios: -25°C/20°C 2 and -40°C/20°C - 3

Leakage Current: .01CV or 3 μ A, whichever is greater
 μ A after 2 Minutes

Load Life: 3000 hours at 105°C with 100 % of rated voltage and with 0 % of rated ripple current

Capacitance Change: $\leq$ 30% of initial measured value

Dissipation Factor: $\leq$ 300% 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
0.35	0.5	0.64	0.83	1	1

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): 6.3 mm + 0.5 mm

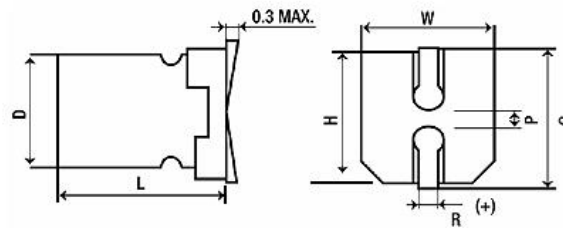
Length (L): 7.7 mm + 0.3-0.1 mm

Lead Spacing (S): 2.2 mm +/- 0.2 mm

Lead Wire Diameter (d): 0.65 mm +/- 0.1 mm

Lead Length: 3.4 mm +/- 0.2 mm

Lead Finish: Matte Tin



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