



## ATB227M050

SURFACE MOUNT

Parts are RoHS compliant

Date code when parts became RoHS: 17

### ELECTRICAL SPECIFICATIONS

Capacitance: 220  $\mu$ F

Dissipation Factor: 0.12 Max at 120 Hz and 20°C

Temperature Range: -55°C to +105°C

Impedance: 0.34N/A

Tolerance: -20 %, +20 %

WVDC: 50 Volts DC

SVDC: 63 Volts DC

Ripple Current: 670 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 $\mu$ A, whichever is greater  
 $\mu$ A after 2 Minutes

Load Life: 5000 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): 10 mm + 0.5 mm

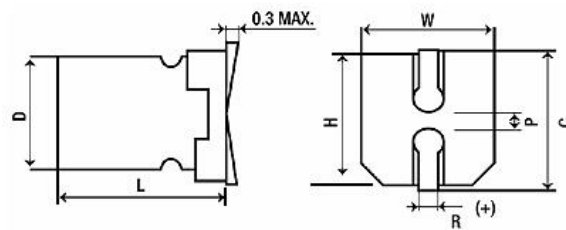
Length (L): 10.2 mm + 0.3 mm

Lead Spacing (S): 4.6 mm +/- 0.2 mm

Lead Wire Diameter (d): 0.9 mm +/- 0.2 mm

Lead Length: 3.5 mm +/- 0.2 mm

Lead Finish: Matte Tin



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