



158SMH6R3M

SURFACE MOUNT

Parts are RoHS compliant

Date code when parts became RoHS: 23

APPLICATIONS: Bypass, coupling, filtering, general purpose

ELECTRICAL SPECIFICATIONS

Capacitance: 1500 μ F

Dissipation Factor: 0.3 Max at 120 Hz and 20°C

Temperature Range: -55°C to +105°C

ESR: 0.3316 Ohms Max at 20°C and 120 Hz

Impedance: N/A

Tolerance: -20 %, +20 %

WVDC: 6.3 Volts DC

SVDC: 7.9 Volts DC

Ripple Current: 475 mA at 120 Hz and 105°C

Impedance Ratios: -40°C/20°C 4 and -55°C/20°C - 8

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

94.5 μ A after 2 Minutes

Load Life: 1000 hours at 105°C with 100 % of rated voltage and with 0 % 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
0.7	1	1.17	1.36	1.5	1.5

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

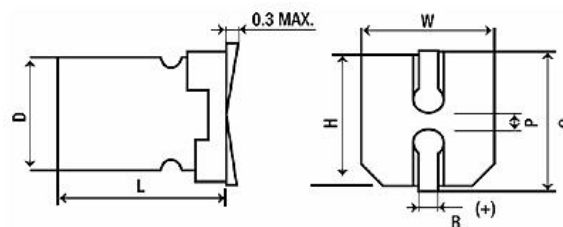
Length (L): 10.5 mm + 0.5 mm

Lead Spacing (S): 4.5 mm +/- 0.2 mm

Lead Wire Diameter (d): 0.95 mm +/- 0.15 mm

Lead Length: 3.2 mm +/- 0.2 mm

Lead Finish: Matte Tin



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