

PART NUMBER: 226SMH050M

SURFACE MOUNT

Parts are RoHS compliant

Date code when parts became RoHS: 26



FEATURES

Extended temperature, small size

Capacitance: 22 μ F

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

Temperature Range: -55°C to +105°C

ESR: 9.04 Ohms Max at 20°C and 120 Hz

Impedance: N/A

Leakage Current: .01CV or 3 μ A, whichever is greater
11 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

APPLICATIONS

Bypass, coupling, filtering, general purpose

Tolerance: -20 % , +20 %

WVDC: 50 Volts DC

SVDC: 63 Volts DC

Ripple Current: 51 mA at 120 Hz and 105°C

Impedance Ratios:

-25°C/20°C - 2

-40°C/20°C - 3

Ripple Current Multipliers

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): 6.3 mm + 0.5 mm

Length (L): 5.8 mm + 0.2 mm

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

Lead Wire Width (R): 0.65 mm +/- 0.15 mm

Lead Length (LL): 2.4 mm +/- 0.2 mm

Lead Finish: Matte Tin

