

# PART NUMBER: 228SAK025M



RADIAL LEAD LOW PROFILE

Parts are RoHS compliant

Date code when parts became RoHS: 23

## FEATURES

Low profile

## APPLICATIONS

General Purpose, Bypass, coupling, Filtering, Handheld devices

## ELECTRICAL SPECIFICATIONS

Capacitance: 2200 uF

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

Temperature Range: -40°C to +85°C

ESR: 0.151 Ohms Max at 20°C and 120 Hz

Impedance: N/A

Tolerance: -20 % , +20 %

WVDC: 25 Volts DC

SVDC: 32 Volts DC

Ripple Current: 1350 mA at 120 Hz and 85°C

Impedance Ratios:

-25°C/20°C - 2

-40°C/20°C - 5

Leakage Current: .03CV or 4uA, whichever is greater

1650 uA after 1 Minute

.01CV or 3uA, whichever is greater

550uA after 2 Minutes

Load Life: 2000 hours at 85°C with 100 % of rated voltage and with 0 % of rated ripple current

Capacitance Change: ≤20% of initial measured value

Dissipation Factor: ≤200% of maximum specified value

Leakage Current: ≤100% of maximum specified value

### Ripple Current Multipliers

#### Frequency Multipliers:

50 Hz	120 Hz	400 Hz	1 kHz	10 kHz	100 kHz
0.85	1	1.1	1.13	1.15	1.15

#### Temperature Multipliers:

45°C	60°C	70°C	65°C	75°C	85°C	105°C	125°C
1.25	1.25	1.14	1.25	1.14	1	0	0

## PHYSICAL DIMENSIONS

Diameter (D): 18 mm + 0.5 mm

Length (L): 15 mm + 1.5 mm

Lead Spacing (S): 7.5 mm +/- 0.5 mm

Coating: GRAY PVC sleeving

Lead Wire Diameter (d): 0.8 mm +/- 0.05 mm

Lead Length: 15 mm +/- MIN mm

Lead Finish: Matte Tin

