

## FEATURES

low cost

## APPLICATIONS

General purpose, filtering, bypass, coupling

## ELECTRICAL SPECIFICATIONS

**Capacitance:** 100 uF

**Dissipation Factor:** 0.25 Max at 120 Hz

**Temperature Range:** -25°C to +85°C

**ESR:** 4.145 Ohms Max at 20°C and 120 Hz

**Impedance:** N/A

**Tolerance:** -20 % , +20 %

**WVDC:** 450 Volts DC

**SVDC:** 500 Volts DC

**Ripple Current:** 370 mA at 120 Hz and 85°C

**Impedance Ratios:** -25°C/20°C - 5

-40°C/20°C - 0

**Leakage Current:** .1CV+40uA 4540 uA after 1 Minute

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

**Max Capacitance Change:** ≤20% of initially measured value

**Dissipation Factor Change:** ≤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	1.2	1.2

#### 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):** 22 mm +/- 1 mm

**Length (L):** 51 mm, +/- 2 mm

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

**Lead Length (LL):** 35 mm, +/- MIN mm

**Lead Finish:** Matte Tin

**Coating:** GRAY PVC sleeving

