

## FEATURES

low cost

## APPLICATIONS

General purpose, filtering, bypass, coupling

## ELECTRICAL SPECIFICATIONS

**Capacitance:** 100 uF

**Dissipation Factor:** 0.2 Max at 120 Hz

**Temperature Range:** -40°C to +85°C

**ESR:** 3.316 Ohms Max at 20°C and 120 Hz

**Impedance:** N/A

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

**WVDC:** 100 Volts DC

**SVDC:** 125 Volts DC

**Ripple Current:** 310 mA at 120 Hz and 85°C

**Impedance Ratios:** -25°C/20°C - 2  
-40°C/20°C - 3

**Leakage Current:** .03CV or 4uA, whichever is greater 300 uA  
after 1 Minute

.01CV or 3uA, whichever is greater

100uA after 2 Minutes

**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):** 10 mm +/- 0.5 mm

**Length (L):** 26 mm, +/- 1.5 mm

**Coating:** GRAY PVC sleeving

**Lead Wire Diameter (d):** 0.6 mm, +/- 0.05 mm

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

**Lead Finish:** Matte Tin

