

## FEATURES

low cost

## APPLICATIONS

General purpose, filtering, bypass, coupling

## ELECTRICAL SPECIFICATIONS

**Capacitance:** 100  $\mu$ F

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

**Temperature Range:** -25°C to +85°C

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

**Impedance:** N/A

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

**WVDC:** 350 Volts DC

**SVDC:** 400 Volts DC

**Ripple Current:** 460 mA at 120 Hz and 85°C

**Impedance Ratios:** -25°C/20°C - 3  
-40°C/20°C - 6

**Leakage Current:** .1CV+40 $\mu$ A 3540  $\mu$ A 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:**  $\leq$ 20% of initially measured value

**Dissipation Factor Change:**  $\leq$ 200% of maximum specified value

**Leakage Current:**  $\leq$ 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):** 18 mm +/- 0.5 mm

**Length (L):** 41 mm, +/- 2 mm

**Coating:** GRAY PVC sleeving

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

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

**Lead Finish:** Matte Tin

