

## ELECTRICAL DATA

**Nominal voltage( $V_n$ ):**

100Vdc–250Vdc–400Vdc–630Vdc

**Category voltage( $V_c$ ):**up to 85°C  $V_c = V_n$ 

For temperature between +85°C and +100° a decreasing factor of 1.25% per degree °C on the nominal voltage  $V_n$  has to be applied.

**Capacitance range:**

1000pF to 0.47μF

**Capacitance tolerances(at 1KHz):**

±10%; ±20%:(upon request ±5%)

**Total self inductance: ~8nH****Dissipation factor(DF):** $\text{tg}\delta \times 10^2$  at +20°C ±5°C

KHz	$\text{tg}\delta \times 10^2$
1	<1.0
10	<1.5

**Insulation resistance:****Test conditions**

Temperature : +20°C ±5°C

Voltage change time 1 minute

Voltage change : 50Vdc for  $V_n < 100\text{Vdc}$   
100Vdc for  $V_n > 100\text{Vdc}$

**Performance** $I \cdot R > 30,000\text{M}\Omega$ **Test voltage between terminals:** $2.5 \times V_n$  applied for 2sec. at +20°C ±5°C

## TEST METHOD AND PERFORMANCE

**Damp heat, steady state:****Test conditions**

Temperature : +40°C ±2°C

Relative humidity(RH): 93% ±2%

Test duration : 20days

**Performance**DF change ( $\Delta \text{tg}\delta$ ): ≤1.2%Capacitance change ( $\Delta C/C$ ): <±7%

Insulation resistance : ≥50% of limit value.

**Life test:****Test conditions**

Temperature : +85°C ±2°C

Test duration : 1000h

Voltage applied :  $1.25 \times V_n$ **Performance**DF change ( $\Delta \text{tg}\delta$ ): ≤1.1%Capacitance change ( $\Delta C/C$ ): ≤±10%

Insulation resistance : ≤50% of limit value.

**Soldering:****Test conditions**

Soldering bath temperature : +230°C ±5°C

Dipping time(with heat screen) : 2sec

**Performance**Capacitance change ( $\Delta C/C$ ) : ≤±2%

## GENERAL TECHNICAL DATA

**Dielectric:**

polyester film

**Plates:**

aluminium foil

**Winding:**

inductive type.

**leads:**

tinned wire(minimum lead content 5%)

**Protection:**

epoxy resin

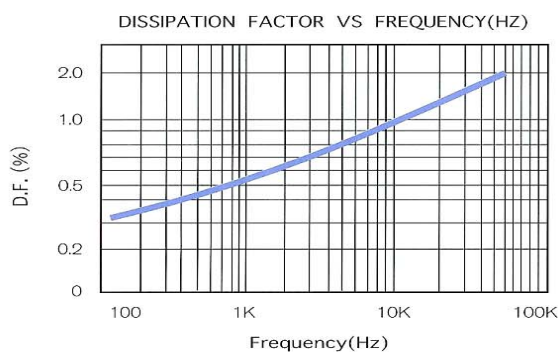
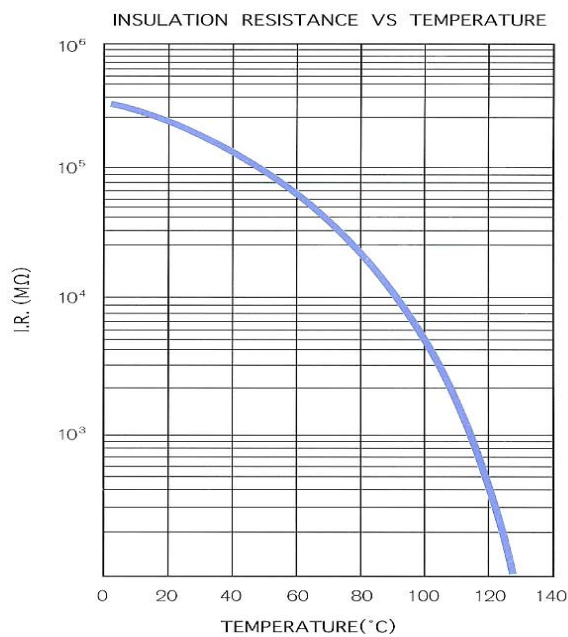
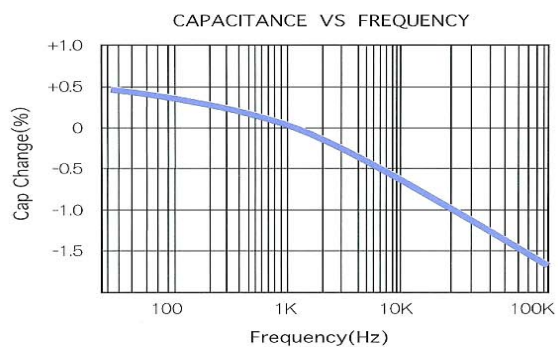
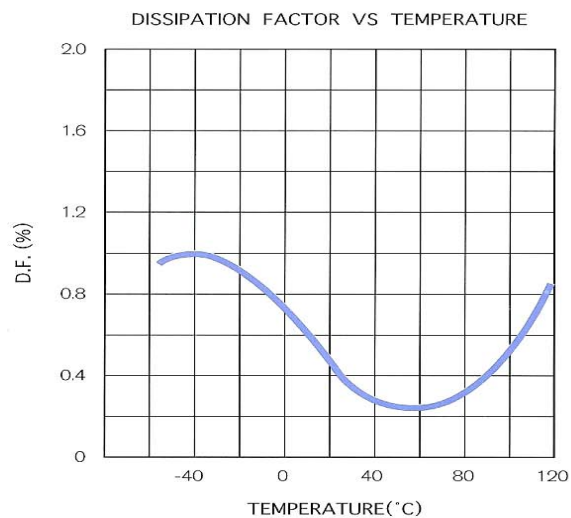
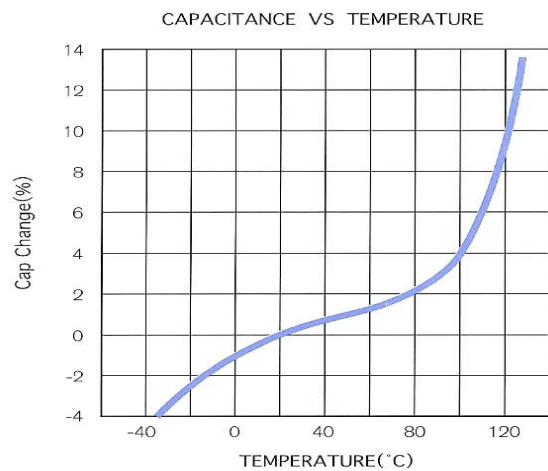
**Marking:**

capacitance, tolerance, DC nominal voltage

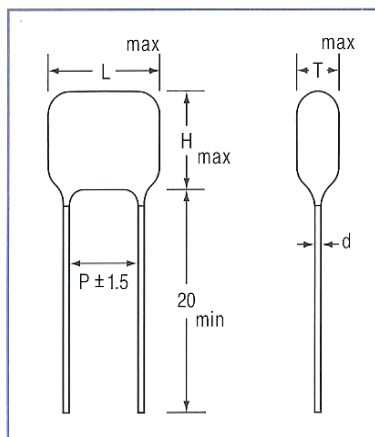
**Operating temperature range:**

-40°C to +80°C

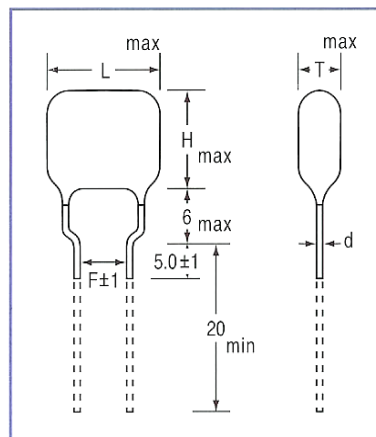
## PERFORMANCE CHARACTERISTICS



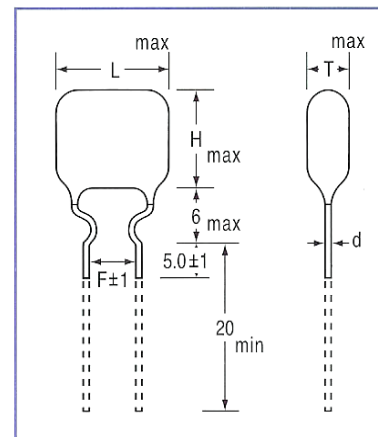
STYLE - A



STYLE - B



STYLE - C



## HDC

■ Dimensions Unit :

[illegible]