

ELECTRICAL CHARACTERISTICS

Nominal voltage (V_n):

250Vdc–400Vdc

630Vdc–800Vdc

Category voltage (V_c):

up to +85 V_c = V_n

For temperature between +85°C and +105° a decreasing factor of 1.25% per degree °C on the rated voltage V_n has to be applied.

Capacitance range:

1000pF to 0.47µF

Capacitance tolerances(measured at 1KHz):

±5%(J); ±10%(K); ±20%(M)

Dissipation Factor(DF):

tgδ × 10² at +20°C ±5°C

KHz	C < 0.1µF	0.1µF to 1µF	> 1µF
1	≤ 0.06	≤ 0.06	≤ 0.06
10	≤ 0.1	≤ 0.2	
100	≤ 0.3		

Insulation resistance:

Test conditions

Temperature : +20°C ±5°C

Voltage change time 1 minute

Voltage change : 100Vdc

Performance

I·R ≥ 30,000MΩ

Test voltage between terminals:

2.5 × V_R 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 : 10days

Performance

Capacitance change(ΔC/C): < ±3%

DF change(Δtgδ) : ≤ 0.11% at 1KHz

Insulation resistance : ≥ 50% of limit value.

Life test:

Test conditions

Temperature : +85°C ±2°C

Test duration : 1000h

Voltage applied : 1.25 × V_n

Performance

Capacitance change (ΔC/C): ≤ ±5%

DF change(Δtgδ): ≤ 0.12%

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 (ΔC/C) : ≤ ±1%

GENERAL TECHNICAL DATA

Dielectric:

polypropylene film

Plates:

aluminium Foil

Winding:

non-inductive type.

leads:

tinned wire

Protection:

epoxy resin

Marking:

manufacturer's logo. capacitance, tolerance.

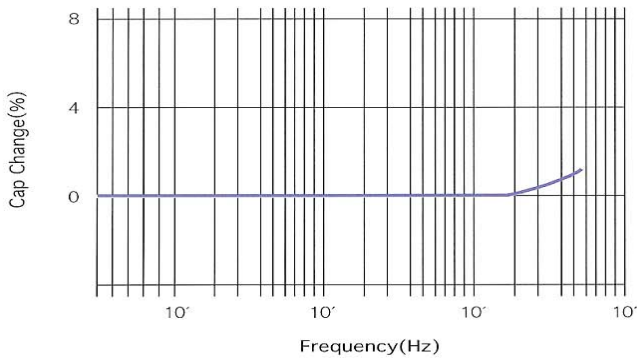
D.C. rated voltage

Operating temperature range:

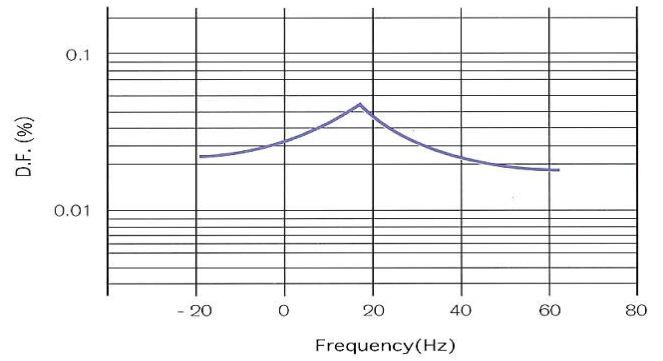
-40°C to +80°C

PERFORMANCE CHARACTERISTICS

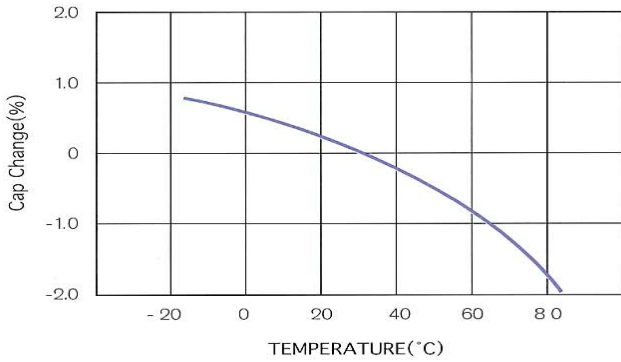
CAPACITANCE VS FREQUENCY



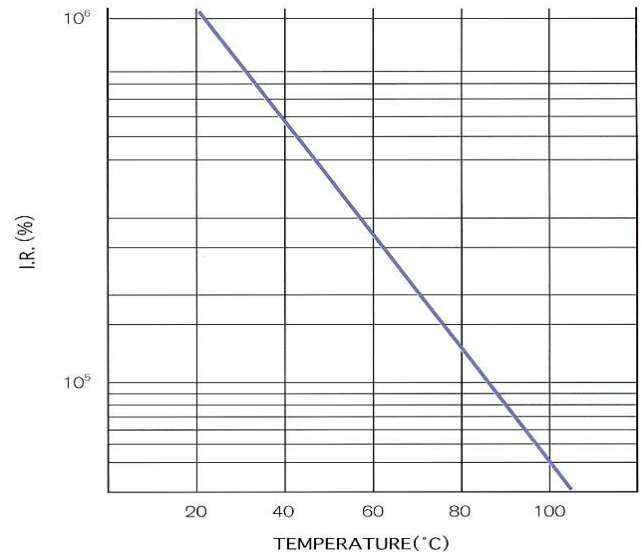
DISSIPATION FACTOR VS FREQUENCY



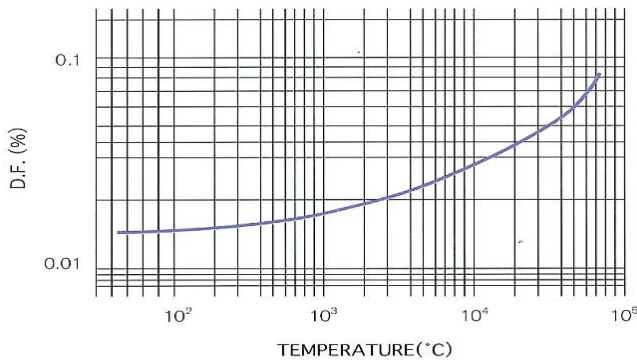
CAPACITANCE VS TEMPERATURE



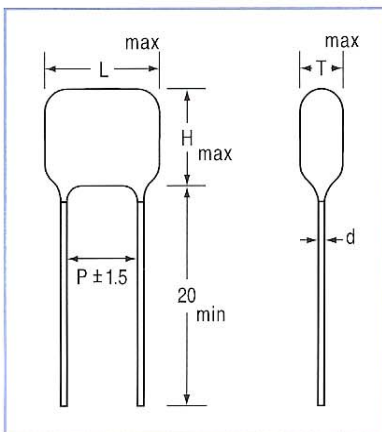
INSULATION RESISTANCE VS TEMPERATURE



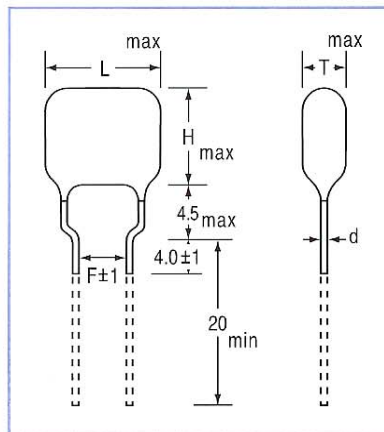
DISSIPATION FACTOR VS TEMPERATURE



STYLE - A



STYLE - B



STYLE - C

