



ELECTRICAL SPECIFICATIONS

Capacitance Range: 1PF to 100000PF

CLASS I : Tested at $1.0 \pm 0.2V$ RMS, + 25°C and 1MHz

CLASS II III : Tested at $1.0 \pm 0.2V$ RMS, + 25°C and 1KHz

Capacitance Tolerance:

J= $\pm 5\%$ (Except for Y5E1Y5P & Y5V/Y5U & Z5V & SL.NPO)

K= $\pm 10\%$ (Except for Y5V/Y5U & Z5V Z5U & SL,YSP)

M= $\pm 20\%$ (Except for Z5V & Z5U, Y5P)

Z= +80% ~ -20%

P= +100% ~ 0%

Working Voltage:

16, 25, 50, 100, 500, 1000, 2000, 3000, 4000, 5000, 6000, ... 15KV

Dielectric Strength:

Below 1 KV: 250% rated voltage with 50mA max charging current.

1KV & above: 200% rated voltage with 50mA max charging current.

10KV & above: 150% rated voltage with 50mA max charging current.

Dissipation Factor:

CLASS I : Tested at $1.0 \pm 0.2V$ RMS, + 25°C and 1MHz 30PF

below $Q > 400 + 20 \times \text{Cap}$ 30pf above $Q \geq 000$

CLASS II III : Tested at $1.0 \pm 0.2V$ RMS, +25°C and 1KHz, 3% max for Z5V, 2.5% max for others.

Insulation Resistance:

10,000 Megohms min at rated working voltage or 500VDC whichever is less. @25°C

Humidity Test:

Per EIA RS-198-C, method B3, Condition B. Capacitance Change: 30% max for Z5V, 20% max for others. Dissipation Factor: 5% max for ISV, 3% max for others.

Life Test:

Per EIA RS-198-C, method C2, Condition C, at $85 \pm 2^\circ\text{C}$, and 200% rated working voltage. (150% for parts rated over 500 VDC).

Capacitance Change: 30% max for Z5V, 20% max for others.

Dissipation Factor: 5% max for Z5V, 3% max for others. Insulation Resistance: 10,000 Megohms min..

Solder Ability:

$260^\circ\text{C} \pm 5^\circ\text{C}$ 6 sec.