

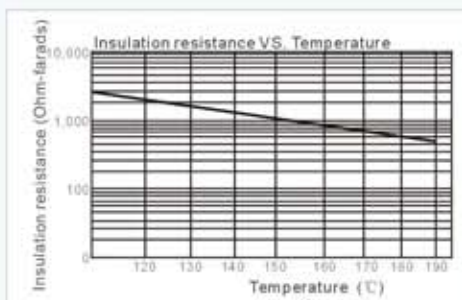
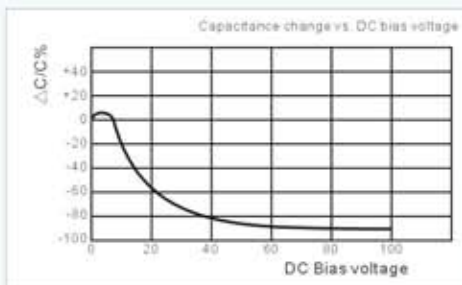
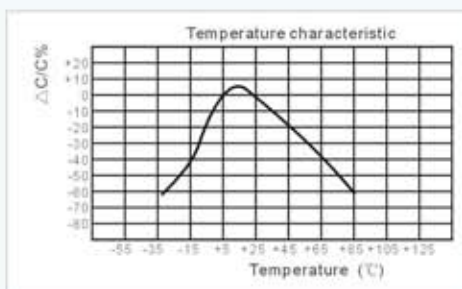
FEATURES

Y5V formulations are for general-purpose use in a limited temperature range. They have a wide temperature characteristic of +22/-82% capacitance change over the operating temperature range of -30 to +85°C. Y5V's high dielectric constant allows the manufacture of the highest capacitance value in given case size.

PERFORMANCE CHARACTERISTICS

Capacitance range	1000pF~22 μ F
Capacitance tolerance	+80%/-20%
Operating temperature range	-30°C~+85°C
Temperature coefficient	within +22%/ -82%
Rated voltage	10V,16V,25V,50V
Dissipation factor	For \leq 10V: 12.5% max. For 25V min.:DF \leq 7% max.
Insulation resistance	10G Ω min.or500 Ω F min., whichever is less.
Dielectric withstanding voltage	250% rated voltage
Test voltage	\leq 10 μ F,1 \pm 0.2Vrms >10 μ F,0.5 \pm 0.1Vrms
Test frequency	\leq 10 μ F,1KHz \pm 10% >10 μ F,120Hz \pm 24Hz

TYPICAL CHARACTERISTIC CURVES



CAPACITANCE RANGE VS. CHIP SIZE

尺寸 Size	6.3V	10V	16V	25V	50V
0402	1.0nF~1.0 μ F	1.0nF~0.33 μ F	1.0nF~0.1 μ F	1.0nF~33nF	1.0nF~10nF
0603	2.2nF~2.2 μ F	2.2nF~1.5 μ F	2.2nF~1.0 μ F	2.2nF~0.22 μ F	2.2nF~0.1 μ F
0805	10nF~10 μ F	10nF~4.7 μ F	10nF~2.2 μ F	10nF~1.5 μ F	10nF~1.0 μ F
1206	10nF~22 μ F	10nF~10 μ F	10nF~4.7 μ F	10nF~2.2 μ F	10nF~2.2 μ F