

CAPAX TECHNOLOGIES, INC.

24842 AVENUE TIBBITTS
VALENCIA, CA 91355

(661) 257 7666

FAX (661) 257 4819

SPECIFICATION:

COG/NPO DIELECTRIC CODE "G"

Operating Temperature Range: -55°C to 125°C
Temperature Characteristics: 0 ± 30ppm/°C
Dissipation Factor: 0.1% Max. @ 1KHz, 1.0 Vrms, 25°C
Insulation Resistance: 100,000 Megohms Min. @25°C
Capacitance Range: 0.1pF to 22,000pF
Rated Voltage Range: 10 to 3000 Vdc
Dielectric Withstanding Voltage: <250 Vdc : 250%
251 to 500 Vdc; 150%
>501 Vdc; 125%
Capacitance Tolerance: ± 0.05pF, ±0.1pF; ±0.25pF; ±0.5pF; ±1%; ±2%; ±5%; ±10%
Ageing: None

X7R DIELECTRIC CODE "X"

Operating Temperature Range: -55°C to 125°C
Temperature Characteristics: 0 ± 15%
Dissipation Factor: 2.5% Max. @ 1 KHz, 1.0 Vrms, 25°C
Insulation Resistance: 1000 Megohms x Microfarads-100,000 MegohmsMax. @25°C
Capacitance Range: 10pF to 100uF
Rated Voltage Range: 10 to 3000 Vdc
Dielectric Withstanding Voltage: <250 Vdc : 250%
251 to 500 Vdc; 150%
>501 Vdc; 125%
Capacitance Tolerance: ±1%; ±2%; ±5%; ±10%; ±20%
Ageing: 2.5% per decade hour, typical

X5R DIELECTRIC CODE "B"

Operating Temperature Range: -55°C to 85°C
Temperature Characteristics: 0 ± 15%
Dissipation Factor: 2.5% Max. @ 1KHz, 1.0 Vrms, 25°C
Insulation Resistance: 1000 Megohms x Microfarads-100,000 MegohmsMax. @25°C
Capacitance Range: 10pF to 100uF
Rated Voltage Range: 10 to 3000 Vdc
Dielectric Withstanding Voltage: <250 Vdc : 250%
251 to 500 Vdc; 150%
>501 Vdc; 125%
Capacitance Tolerance: ±1%; ±2%; ±5%; ±10%; ±20%
Ageing: 2.5% per decade hour, typical

