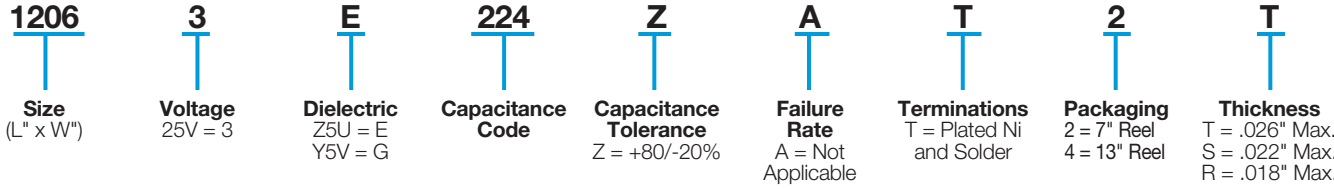


Low Profile Chips



Z5U & Y5V Dielectric

PART NUMBER (see page 3 for complete information and options)



PERFORMANCE CHARACTERISTICS

Capacitance Range	Z5U: .01 – .33µF; Y5V: .01 – .47µF
Capacitance Tolerances	+80, -20%
Operating Temperature Range	Z5U: +10°C to +85°C; Y5V: -30°C to +85°C
Temperature Characteristic	Z5U: +22%, -56%; Y5V: +22%, -82%
Voltage Ratings	25 VDC
Dissipation Factor 25°C, .5 Vrms, 1kHz	Z5U: 4%; Y5V: 7%
Insulation Resistance	10,000 megohms min. or 1000 MΩ - µF whichever is less
Dielectric Strength for 5 seconds at 50 mamp max. current	250% of rated VDC
Test Voltage	Z5U: 0.5 ± 0.2 Vrms Y5V: 1.0 Vrms ± 0.2 Vrms
Test Frequency	1 KHz

CAPACITANCE VALUES FOR VARIOUS THICKNESSES

Z5U

SIZE	0805			1206			1210		
(L) Length	MM (in.) 2.01 ± .20 (.079 ± .008)			3.2 ± .2 (.126 ± .008)			3.2 ± .2 (.126 ± .008)		
(W) Width	1.25 ± .20 (.049 ± .008)			1.6 ± .2 (.063 ± .008)			2.5 ± .2 (.098 ± .008)		
(t) Terminal	.50 ± .25 (.020 ± .010)			.50 ± .25 (.020 ± .010)			.50 ± .25 (.020 ± .010)		
(T) Thickness Max.	.46 (.018)	.56 (.022)	.66 (.026)	.46 (.018)	.56 (.022)	.66 (.026)	.46 (.018)	.56 (.022)	.66 (.026)
Cap (µF)	.01 .012 .015			.018 .022 .027			.033 .039 .047		
	.056 .068 .082			.1 .12 .15			.18 .22 .27		
	.33 .39 .47								

Yellow = Paper Tape

Y5V

SIZE	0805			1206			1210		
(L) Length	MM (in.) 2.01 ± .20 (.079 ± .008)			3.2 ± .2 (.126 ± .008)			3.2 ± .2 (.126 ± .008)		
(W) Width	1.25 ± .20 (.049 ± .008)			1.6 ± .2 (.063 ± .008)			2.5 ± .2 (.098 ± .008)		
(t) Terminal	.50 ± .25 (.020 ± .010)			.50 ± .25 (.020 ± .010)			.50 ± .25 (.020 ± .010)		
(T) Thickness Max.	.46 (.018)	.56 (.022)	.66 (.026)	.46 (.018)	.56 (.022)	.66 (.026)	.46 (.018)	.56 (.022)	.66 (.026)
Cap (µF)	.01 .012 .015			.018 .022 .027			.033 .039 .047		
	.056 .068 .082			.1 .12 .15			.18 .22 .27		
	.33 .39 .47								

Red = Paper Tape

