

## 115Vac 400Hz Capable capacitors

Syfer Technology has conducted reliability testing on standard surface mount ceramic capacitors in order to ensure their performance at 115Vac 400Hz and the associated voltage and frequency transients required by MIL-STD-704. Self heating will occur due to losses in the capacitor but has been measured at less than 25°C rise with neutral mounting conditions at room temperature.



### 115Vac 400Hz Capable capacitor range

	0805	1206	1210	1808	1812	2220
<b>Dielectric</b>	<b>Capacitance values</b>					
<b>COG/NPO</b>	330pF	1.5nF	3.9nF	3.9nF	10nF	15nF
<b>X7R</b>	4.7nF	18nF	39nF	39nF	82nF	100nF

### Ordering information - 115Vac 400Hz Capable capacitors

1206	Y	A12	0103	J	X	T
Chip size	Termination	Voltage	Capacitance in picofarads (pF)	Capacitance tolerance	Dielectric codes	Packaging
0805 1206 1210 1808 1812 2220	<b>J</b> = Nickel barrier <b>Y</b> = FlexiCap™ <b>A</b> = (Tin/lead) <b>H</b> = FlexiCap™ (Tin/lead)	A12 = 115Vac	First digit is 0. Second and third digits are significant figures of capacitance code. The fourth digit is number of zeros following. Example: 0103 = 10nF	<4.7pF H = ±0.05pF B = ±0.1pF C = ±0.25pF D = ±0.5pF ≥4.7pF & <10pF B = ±0.1pF C = ±0.25pF D = ±0.5pF ≥10pF F = ±1% G = ±2% J = ±5% K = ±10%	<b>C</b> = COG/NPO <b>X</b> = X7R	<b>T</b> = 178mm (7") reel <b>R</b> = 330mm (13") reel <b>B</b> = Bulk pack - tubs