

# PRODUCT GUIDE FROM **Nc** NIC Components

## EIA Tolerance Voltage & Capacitance Codes Guide

EIA Tolerance Codes		
<b>A = +/-0.05pF *</b>	<b>H = +/-2.5%</b>	<b>Q = -10% / +30%</b>
<b>B = +/-0.1pF *</b>	<b>J = +/-5%</b>	<b>S = +/-22%</b>
<b>C = +/-0.25pF *</b>	<b>K = +/-10%</b>	<b>T = -10% / +50%</b>
<b>D = +/-0.5pF *</b>	<b>L = +/-15%</b>	<b>U = -10% / +75%</b>
<b>E = +/-0.5%</b>	<b>M = +/-20%</b>	<b>W = -10% / +100%</b>
<b>F = +/-1.0%</b>	<b>N = +/-30%</b>	<b>Y = -20% / +5%</b>
<b>G = +/-2%</b>	<b>P = -0 / +100%</b>	<b>Z = -20% / +80%</b>
* - these tolerances apply to capacitors below 10pF [ Common "PREFERRED" Tolerances in BLUE ]		

EIA Voltage Codes		
<b>0G = 4.0VDC</b>	<b>1J = 63VDC</b>	<b>2D = 200VDC</b>
<b>0L = 5.5VDC</b>	<b>1K = 80VDC</b>	<b>2P = 220VDC</b>
<b>0J = 6.3VDC</b>	<b>2A = 100VDC</b>	<b>2E = 250VDC</b>
<b>1A = 10VDC</b>	<b>2Q = 110VDC</b>	<b>2F = 315VDC</b>
<b>1C = 16VDC</b>	<b>2B = 125VDC</b>	<b>2V = 350VDC</b>
<b>1E = 25VDC</b>	<b>2C = 160VDC</b>	<b>2G = 400VDC</b>
<b>1H = 50VDC</b>	<b>2Z = 180VDC</b>	<b>2W = 450VDC</b>
[ Common "PREFERRED" Voltage Ratings in BLUE ]		

EIA Capacitance Value Codes		
Cap Type:	Ceramic, Film & Tantalum E-caps	Aluminum E-caps
CODE (3-digit)	pF (pico-farad)	uF (micro-farad)
<b>0R5 *</b>	<b>0.5pF</b>	<b>0.5uF</b>
<b>1R0 *</b>	<b>1.0pF</b>	<b>1.0uF</b>
<b>2R2 *</b>	<b>2.2pF</b>	<b>2.2uF</b>
<b>100</b>	<b>10pF</b>	<b>10uF</b>
<b>220</b>	<b>22pF</b>	<b>22uF</b>
<b>101</b>	<b>100pF</b>	<b>100uF</b>
<b>221</b>	<b>220pF</b>	<b>220uF</b>
<b>102</b>	<b>1000pF</b>	<b>1000uF</b>
<b>222</b>	<b>2200pF</b>	<b>2200uF</b>
<b>103</b>	<b>10,000pF = 0.01uF</b>	<b>10,000uF</b>
<b>223</b>	<b>22,000pF = 0.022uF</b>	<b>22,000uF</b>
<b>104</b>	<b>100,000pF = 0.1uF</b>	<b>100,000uF = 0.1F</b>
<b>224</b>	<b>220,000 = 0.22uF</b>	<b>220,000uF = 0.22F</b>
<b>105</b>	<b>1,000,000 = 1uF</b>	<b>1,000,000uF = 1F</b>
* "R" indicates decimal under 10pF		

