



## 0805 NPO CERAMIC CAPACITORS FOR RF & MICROWAVE

- Low ESR, High Q
- Q = 10,000 at 1 MHz
- For Use Up to Ku-Band
- 100% Made in U.S.A.
- Superior Mechanical Strength
- Suitable for Military and Space

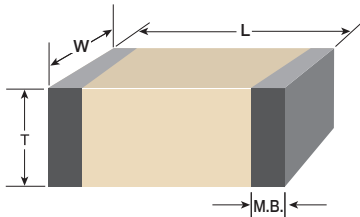
PRESIDIO PART NUMBER	CAP. (pF)	TOL.	WVDC
0805NPO0R1 &N1N-	0.1	A,B	100, 250
0805NPO0R2 &N1N-	0.2	A,B	100, 250
0805NPO0R3 &N1N-	0.3	A,B,C	100, 250
0805NPO0R4 &N1N-	0.4	A,B,C	100, 250
0805NPO0R5 &N1N-	0.5	A,B,C	100, 250
0805NPO0R6 &N1N-	0.6	A,B,C	100, 250
0805NPO0R7 &N1N-	0.7	A,B,C	100, 250
0805NPO0R8 &N1N-	0.8	A,B,C	100, 250
0805NPO0R9 &N1N-	0.9	A,B,C	100, 250
0805NPO1R0 &N1N-	1.0	A,B,C	100, 250
0805NPO1R1 &N1N-	1.1	A,B,C,D	100, 250
0805NPO1R2 &N1N-	1.2	A,B,C,D	100, 250
0805NPO1R3 &N1N-	1.3	A,B,C,D	100, 250
0805NPO1R5 &N1N-	1.5	A,B,C,D	100, 250
0805NPO1R6 &N1N-	1.6	A,B,C,D	100, 250
0805NPO1R8 &N1N-	1.8	A,B,C,D	100, 250
0805NPO2R0 &N1N-	2.0	A,B,C,D	100, 250
0805NPO2R2 &N1N-	2.2	A,B,C,D	100, 250
0805NPO2R4 &N1N-	2.4	A,B,C,D	100, 250
0805NPO2R7 &N1N-	2.7	A,B,C,D	100, 250
0805NPO3R0 &N1N-	3.0	A,B,C,D	100, 250
0805NPO3R3 &N1N-	3.3	A,B,C,D	100, 250
0805NPO3R6 &N1N-	3.6	A,B,C,D	100, 250

PRESIDIO PART NUMBER	CAP. (pF)	TOL.	WVDC
0805NPO3R9 &N1N-	3.9	A,B,C,D	100, 250
0805NPO4R3 &N1N-	4.3	A,B,C,D	100, 250
0805NPO4R7 &N1N-	4.7	A,B,C,D	100, 250
0805NPO5R1 &N1N-	5.1	A,B,C,D	100, 250
0805NPO5R6 &N1N-	5.6	A,B,C,D	100, 250
0805NPO6R2 &N1N-	6.2	A,B,C,D	100, 250
0805NPO6R8 &N1N-	6.8	A,B,C,D	100, 250
0805NPO7R5 &N1N-	7.5	A,B,C,D	100, 250
0805NPO8R2 &N1N-	8.2	A,B,C,D	100, 250
0805NPO9R1 &N1N-	9.1	A,B,C,D	100, 250
0805NPO100 &N1N-	10	F,G,J,K	100, 250
0805NPO110 &N1N-	11	F,G,J,K	100, 250
0805NPO120 &N1N-	12	F,G,J,K	100, 250
0805NPO130 &N1N-	13	F,G,J,K	100, 250
0805NPO150 &N1N-	15	F,G,J,K	100, 250
0805NPO160 &N1N-	16	F,G,J,K	100, 250
0805NPO180 &N1N-	18	F,G,J,K	100, 250
0805NPO200 &N1N-	20	F,G,J,K	100, 250
0805NPO220 &N1N-	22	F,G,J,K	100, 250
0805NPO240 &N1N-	24	F,G,J,K	100, 250
0805NPO270 &N1N-	27	F,G,J,K	100, 250
0805NPO300 &N1N-	30	F,G,J,K	100, 250
0805NPO330 &N1N-	33	F,G,J,K	100, 250

PRESIDIO PART NUMBER	CAP. (pF)	TOL.	WVDC
0805NPO360 &N1N-	36	F,G,J,K	100, 250
0805NPO390 &N1N-	39	F,G,J,K	100, 250
0805NPO430 &N1N-	43	F,G,J,K	100, 250
0805NPO470 &N1N-	47	F,G,J,K	100, 250
0805NPO510 &N1N-	51	F,G,J,K	100, 250
0805NPO560 &N1N-	56	F,G,J,K	100, 250
0805NPO620 &N1N-	62	F,G,J,K	100, 250
0805NPO680 &N1N-	68	F,G,J,K	100, 250
0805NPO750 &N1N-	75	F,G,J,K	100, 250
0805NPO820 &N1N-	82	F,G,J,K	100, 250
0805NPO910 &N1N-	91	F,G,J,K	100, 250
0805NPO101 &N1N-	100	F,G,J,K	100, 250
0805NPO111 &N1N-	110	F,G,J,K	100, 250
0805NPO121 &N1N-	120	F,G,J,K	100, 250
0805NPO131 &N1N-	130	F,G,J,K	100, 250
0805NPO151 &N1N-	150	F,G,J,K	100, 250
0805NPO161 &N1N-	160	F,G,J,K	100, 250
0805NPO181 &N1N-	180	F,G,J,K	100, 250
0805NPO201 &N1N-	200	F,G,J,K	100, 250
0805NPO221 &N1N-	220	F,G,J,K	100, 250
0805NPO241 &N1N-	240	F,G,J,K	100, 250

For other cap values contact factory.  
 Voltages in **BOLD** are for military and space.

### PART NUMBER CODES AND DIMENSIONS



#### Capacitance Codes for Multilayer Capacitor

**First Two Digits** = Significant Figures of Capacitance in Picofarads  
**Third Digit** = Additional Number of Zeros  
**Examples:**  
 0R1 = 0.1 pF    101 = 100 pF  
 1R0 = 1 pF    102 = 1,000 pF  
 100 = 10 pF    103 = 10,000 pF

#### Capacitance Tolerance Codes

Code	Tolerance	Cap Range
A	± 0.05 pF	< 10 pF
B	± 0.1 pF	< 10 pF
C	± 0.25 pF	< 10 pF
D	± 0.5 pF	< 10 pF
E	± 0.5%	≥ 10 pF
F	± 1%	≥ 10 pF
G	± 2%	≥ 10 pF
J	± 5%	≥ 10 pF
K	± 10%	≥ 10 pF
M	± 20%	≥ 10 pF

LENGTH (L) INCH (mm)	WIDTH (W) INCH (mm)	THICKNESS (T) INCH (mm)	METALIZATION BAND (M.B.) INCH (mm)
0.080 ± 0.010 (2.03 ± 0.25)	0.050 ± 0.010 (1.27 ± 0.25)	0.055 MAX (1.40 MAX)	0.005 to 0.030 (0.127 to 0.762)

#### Termination Codes

Code	RoHS Comp.	Typical Application	Termination Build up	Recommended Reflow Temp.
N	No	Solder Reflow	90% Tin/10% Lead Plated Nickel Barrier Silver Base	220°C to 260°C Typical
T	Yes	Solder Reflow	100% Tin Plated Nickel Barrier Silver Base	220°C to 260°C Typical
P	Yes	Conductive Epoxy	Palladium-Silver Non-Magnetic	Cure Epoxy as per Manufacturer's Spec.

Other terminations available. Please contact factory.

#### Working Voltage

Code	WVDC
1	25
2	50
3	100
A	150
4	200
&	250

#### Packaging Codes

1 = Tape and Reel  
 5 = Waffle Pack  
 Marking available upon request (extra cost)

#### RoHS

Code	Compliant
N	No
C	Yes

Digital S2P files available.

Presidio's NPO capacitors can be upscreened to SPACE LEVEL testing. Consult the factory for details. Some voltage derating may apply.

### PART NUMBER EXAMPLE (How to Order)

0805	NPO	2R0	B	&	N	1	N	—
Size	Dielectric	Capacitance (2 pF)	Capacitance Tolerance (± 0.1 pF)	Voltage (250V)	Termination (Plated SnPb)	Packaging (Tape & Reel)	Not RoHS Compliant	Design-In Code (optional) (See Cat. 7100)

