

0805 HIGH Q NPO CERAMIC CAPACITORS FOR RF & MICROWAVE

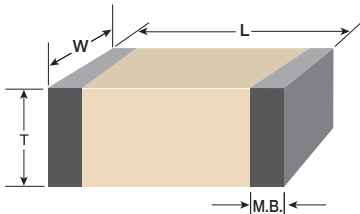
PRESIDIO PART NUMBER	CAP. (pF)	TOL.	WVDC
0805NPO0R1_&N1N-	0.1	A,B	100, 250
0805NPO0R2_&N1N-	0.2	A,B	100, 250
0805NPO0R3_&N1N-	0.3	A,B,C	100, 250
0805NPO0R4_&N1N-	0.4	A,B,C	100, 250
0805NPO0R5_&N1N-	0.5	A,B,C	100, 250
0805NPO0R6_&N1N-	0.6	A,B,C	100, 250
0805NPO0R7_&N1N-	0.7	A,B,C	100, 250
0805NPO0R8_&N1N-	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.

Call factory for digital copy of S2P files.

Working Voltage

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

Packaging Codes

1 = Unmarked, Tape & Reel
2 = Laser Marked, Tape & Reel
5 = Unmarked, Waffle Pack
6 = Laser Marked, Waffle Pack
Laser Marking available
at extra cost (except 0402 size)

RoHS

Code	Compliant
N	No
C	Yes

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 Web Link)



PRESIDIO COMPONENTS, INC.

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A WORD TO THE DESIGN ENGINEER About Presidio “Design In” Codes

After the design work is done, outsourcing manufacturing on a global basis is a management option. At Presidio Components, we are striving for complete customer satisfaction which includes “after” service for all of our products.

We added a “Design In” locator code for quick traceability, if needed. Please select your location from the list below and add the appropriate code at the end of the part number.

If you need assistance give us a call at **(858) 578-9390** or email us at **info@presidiocomponents.com**.

UNITED STATES

USA	Code	USA
Alabama	G	Nebraska
Alaska	P	Nevada, North
Arizona	D	Nevada, South
Arkansas	P	New Hampshire
California, North	B	New Jersey
California, South	C	New Mexico
Colorado	E	New York, Metro
Connecticut	L	New York, Upstate
Delaware	I	North Carolina
District of Columbia	H	North Dakota
Florida	G	Ohio
Georgia	G	Oklahoma
Hawaii	P	Oregon
Idaho	A	Pennsylvania
Illinois	N	Rhode Island
Indiana	M	South Carolina
Iowa	O	South Dakota
Kansas	P	Tennessee
Kentucky	M	Texas
Louisiana	P	Utah
Maine	L	Vermont
Maryland	H	Virginia
Massachusetts	L	Washington
Michigan	N	West Virginia
Minnesota	O	Wisconsin, East
Mississippi	G	Wisconsin, West
Missouri	N	Wyoming
Montana	A	

OUTSIDE THE UNITED STATES

Code	Americas	Code	Europe	Code
P	Canada	R	Austria	3
B	Mexico	R	Belgium	1
C	Caribbean	R	Denmark	5
L	Central America	R	Finland	5
J	South America	R	France	2
D			Germany	3
J	Pacific Rim		Ireland	6
K	Australia	S	Italy	4
G	China	T	Luxembourg	1
O	Japan	U	Netherlands	1
M	Korea, South	V	Norway	5
P	Malaysia	W	Sweden	5
A	Singapore	X	Switzerland	3
I	Other Pacific Rim Countries	Y	United Kingdom	6
L			Other European Countries	7
G				
O			Other	
G			India	Z
F			Israel	8
E			Rest of World	9

PART NUMBER EXAMPLE:

0505NPO101FAN1NA

**PART DESCRIPTION: Ceramic Capacitor,
0505, NPO, 100pF $\pm$ 1%,
150 VDC, Plated SnPb, Tape and Reel,
Non RoHS, Design-In Code A for
Washington State.**


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