

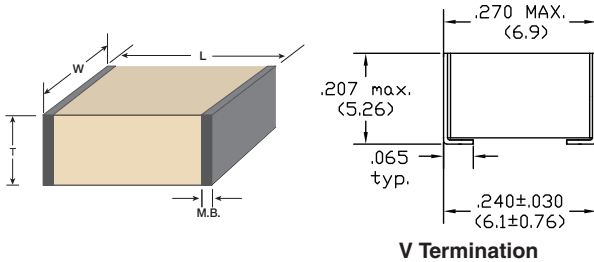
2525 HIGH Q NPO CERAMIC CAPACITORS FOR RF & MICROWAVE

PRESIDIO PART NUMBER	CAP. (pF)	TOL.	WVDC STD, EXT
2525NPO0R1_QT1C-	0.1	B,C,D	2.5K, 3.6K
2525NPO0R2_QT1C-	0.2	B,C,D	2.5K, 3.6K
2525NPO0R3_QT1C-	0.3	B,C,D	2.5K, 3.6K
2525NPO0R4_QT1C-	0.4	B,C,D	2.5K, 3.6K
2525NPO0R5_QT1C-	0.5	B,C,D	2.5K, 3.6K
2525NPO0R6_QT1C-	0.6	B,C,D	2.5K, 3.6K
2525NPO0R7_QT1C-	0.7	B,C,D	2.5K, 3.6K
2525NPO0R8_QT1C-	0.8	B,C,D	2.5K, 3.6K
2525NPO0R9_QT1C-	0.9	B,C,D	2.5K, 3.6K
2525NPO1R0_QT1C-	1.0	B,C,D	2.5K, 3.6K
2525NPO1R1_QT1C-	1.1	B,C,D	2.5K, 3.6K
2525NPO1R2_QT1C-	1.2	B,C,D	2.5K, 3.6K
2525NPO1R3_QT1C-	1.3	B,C,D	2.5K, 3.6K
2525NPO1R5_QT1C-	1.5	B,C,D	2.5K, 3.6K
2525NPO1R6_QT1C-	1.6	B,C,D	2.5K, 3.6K
2525NPO1R8_QT1C-	1.8	B,C,D	2.5K, 3.6K
2525NPO2R0_QT1C-	2.0	B,C,D	2.5K, 3.6K
2525NPO2R2_QT1C-	2.2	B,C,D	2.5K, 3.6K
2525NPO2R4_QT1C-	2.4	B,C,D	2.5K, 3.6K
2525NPO2R7_QT1C-	2.7	B,C,D	2.5K, 3.6K
2525NPO3R0_QT1C-	3.0	B,C,D	2.5K, 3.6K
2525NPO3R3_QT1C-	3.3	B,C,D	2.5K, 3.6K
2525NPO3R6_QT1C-	3.6	B,C,D	2.5K, 3.6K
2525NPO3R9_QT1C-	3.9	B,C,D	2.5K, 3.6K
2525NPO4R3_QT1C-	4.3	B,C,D	2.5K, 3.6K
2525NPO4R7_QT1C-	4.7	B,C,D	2.5K, 3.6K
2525NPO5R1_QT1C-	5.1	B,C,D	2.5K, 3.6K
2525NPO5R6_QT1C-	5.6	B,C,D	2.5K, 3.6K
2525NPO6R2_QT1C-	6.2	B,C,D	2.5K, 3.6K
2525NPO6R8_QT1C-	6.8	B,C,D	2.5K, 3.6K
2525NPO7R5_QT1C-	7.5	B,C,D	2.5K, 3.6K

PRESIDIO PART NUMBER	CAP. (pF)	TOL.	WVDC STD, EXT
2525NPO8R2_QT1C-	8.2	B,C,D	2.5K, 3.6K
2525NPO9R1_QT1C-	9.1	B,C,D	2.5K, 3.6K
2525NPO100_QT1C-	10	F,G,J,K,M	2.5K, 3.6K
2525NPO110_QT1C-	11	F,G,J,K,M	2.5K, 3.6K
2525NPO120_QT1C-	12	F,G,J,K,M	2.5K, 3.6K
2525NPO130_QT1C-	13	F,G,J,K,M	2.5K, 3.6K
2525NPO150_QT1C-	15	F,G,J,K,M	2.5K, 3.6K
2525NPO160_QT1C-	16	F,G,J,K,M	2.5K, 3.6K
2525NPO180_QT1C-	18	F,G,J,K,M	2.5K, 3.6K
2525NPO200_QT1C-	20	F,G,J,K,M	2.5K, 3.6K
2525NPO220_QT1C-	22	F,G,J,K,M	2.5K, 3.6K
2525NPO240_QT1C-	24	F,G,J,K,M	2.5K, 3.6K
2525NPO270_QT1C-	27	F,G,J,K,M	2.5K, 3.6K
2525NPO300_QT1C-	30	F,G,J,K,M	2.5K, 3.6K
2525NPO330_QT1C-	33	F,G,J,K,M	2.5K, 3.6K
2525NPO360_QT1C-	36	F,G,J,K,M	2.5K, 3.6K
2525NPO390_QT1C-	39	F,G,J,K,M	2.5K, 3.6K
2525NPO430_QT1C-	43	F,G,J,K,M	2.5K, 3.6K
2525NPO470_QT1C-	47	F,G,J,K,M	2.5K, 3.6K
2525NPO510_QT1C-	51	F,G,J,K,M	2.5K, 3.6K
2525NPO560_QT1C-	56	F,G,J,K,M	2.5K, 3.6K
2525NPO620_QT1C-	62	F,G,J,K,M	2.5K, 3.6K
2525NPO680_QT1C-	68	F,G,J,K,M	2.5K, 3.6K
2525NPO750_QT1C-	75	F,G,J,K,M	2.5K, 3.6K
2525NPO820_QT1C-	82	F,G,J,K,M	2.5K, 3.6K
2525NPO910_QT1C-	91	F,G,J,K,M	2.5K, 3.6K
2525NPO101_QT1C-	100	F,G,J,K,M	2.5K, 3.6K
2525NPO111_QT1C-	110	F,G,J,K,M	2.5K, 3.0K
2525NPO121_QT1C-	120	F,G,J,K,M	2.5K, 3.0K
2525NPO131_QT1C-	130	F,G,J,K,M	2.5K, 3.0K
2525NPO151_QT1C-	150	F,G,J,K,M	2.5K, 3.0K

PRESIDIO PART NUMBER	CAP. (pF)	TOL.	WVDC STD, EXT
2525NPO161_QT1C-	160	F,G,J,K,M	2.5K, 3.0K
2525NPO181_QT1C-	180	F,G,J,K,M	2.5K, 3.0K
2525NPO201_QT1C-	200	F,G,J,K,M	2.5K, 3.0K
2525NPO221_QT1C-	220	F,G,J,K,M	2.5K, 3.0K
2525NPO241_QT1C-	240	F,G,J,K,M	2.5K, 3.0K
2525NPO271_QT1C-	270	F,G,J,K,M	2.5K, 3.0K
2525NPO301_NT1C-	300	F,G,J,K,M	1.5K, 2.0K
2525NPO331_NT1C-	330	F,G,J,K,M	1.5K, 2.0K
2525NPO361_NT1C-	360	F,G,J,K,M	1.5K, 2.0K
2525NPO391_NT1C-	390	F,G,J,K,M	1.5K, 2.0K
2525NPO431_NT1C-	430	F,G,J,K,M	1.5K, 2.0K
2525NPO471_NT1C-	470	F,G,J,K,M	1.5K, 2.0K
2525NPO511_9T1C-	510	F,G,J,K,M	1.0K, 1.5K
2525NPO561_9T1C-	560	F,G,J,K,M	1.0K, 1.5K
2525NPO621_9T1C-	620	F,G,J,K,M	1.0K, 1.5K
2525NPO681_9T1C-	680	F,G,J,K,M	1.0K, 1.5K
2525NPO751_9T1C-	750	F,G,J,K,M	1.0K, 1.5K
2525NPO821_9T1C-	820	F,G,J,K,M	1.0K, 1.5K
2525NPO911_9T1C-	910	F,G,J,K,M	1.0K, 1.5K
2525NPO102_9T1C-	1000	F,G,J,K,M	1.0K, 1.5K
2525NPO122_9T1C-	1200	F,G,J,K,M	1.0K, 1.5K
2525NPO152_6T1C-	1500	F,G,J,K,M	0.5K, 0.8K
2525NPO182_6T1C-	1800	F,G,J,K,M	0.5K, 0.8K
2525NPO222_5T1C-	2200	F,G,J,K,M	0.3K, 0.5K
2525NPO242_5T1C-	2400	F,G,J,K,M	0.3K, 0.5K
2525NPO272_5T1C-	2700	F,G,J,K,M	0.3K, 0.5K
2525NPO302_5T1C-	3000	F,G,J,K,M	0.3K, 0.5K
2525NPO332_5T1C-	3300	F,G,J,K,M	0.3K, 0.5K
2525NPO392_5T1C-	3900	F,G,J,K,M	0.3K, 0.5K
2525NPO472_5T1C-	4700	F,G,J,K,M	0.3K, 0.5K
2525NPO562_5T1C-	5600	F,G,J,K,M	0.3K, 0.5K

For other cap values contact factory.



Capacitance Codes for Multilayer Capacitor

First Two Digits = Significant Figures of Capacitance in Picofarads

Third Digit = Additional Number of Zeros

Example:
 0R1 = 0.1 pF
 1R0 = 1 pF
 100 = 10 pF
 101 = 100 pF
 102 = 1,000 pF
 103 = 10,000 pF

Capacitance Tolerance Codes

Code	Tolerance	Cap Range
B	± 0.1 pF	< 10 pF
C	± 0.25 pF	< 10 pF
D	± 0.5 pF	< 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)
0.250 +0.020/-0.015 (6.35 +0.51/-0.38)	0.250 +0.020/-0.015 (6.35 +0.51/-0.38)	0.165 MAX (4.19 MAX) V Term: 0.207 MAX (5.25 MAX)	0.010 to 0.040 (0.254 to 1.016) V Term: 0.068 MAX (1.727 MAX)

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.
V	Yes	Solder Reflow	Silver Finish Frame Non-Magnetic	220°C to 260°C Typical

Working Voltage

Code	WVDC	Code	WVDC
5	300	P	2000
6	500	Q	2500
#	800	R	3000
9	1000	S	3600
N	1500		

Packaging Codes

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

Dielectrics

NPO
UP

**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)

2525	NPO	101	J	Q	T	1	C	—
Size	Dielectric	Capacitance (10 pF)	Capacitance Tolerance (± 5%)	Voltage (2500 V)	Termination (100% Tin)	Packaging (Tape and Reel)	RoHS Compliant	Design-In Code (See Web Link)

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.**


PRESIDIO COMPONENTS, INC.

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