

# PRESIDIO ULTRA-PORCELAIN™ CAPACITORS

## SIZE 0711

**Low Inductance**

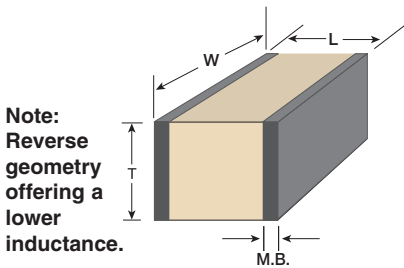
COMMERCIAL PART NUMBER	CAP. (pF)	TOL.	WVDC
0711UP1R0_6T1C-*	1.0	A,B,C,D	500
0711UP1R1_6T1C-*	1.1	A,B,C,D	500
0711UP1R2_6T1C-*	1.2	A,B,C,D	500
0711UP1R3_6T1C-*	1.3	A,B,C,D	500
0711UP1R5_6T1C-*	1.5	A,B,C,D	500
0711UP1R6_6T1C-*	1.6	A,B,C,D	500
0711UP1R8_6T1C-*	1.8	A,B,C,D	500
0711UP2R0_6T1C-*	2.0	A,B,C,D	500
0711UP2R2_6T1C-*	2.2	A,B,C,D	500
0711UP2R4_6T1C-*	2.4	A,B,C,D	500
0711UP2R7_6T1C-*	2.7	A,B,C,D	500
0711UP3R0_6T1C-*	3.0	A,B,C,D	500
0711UP3R3_6T1C-*	3.3	A,B,C,D	500
0711UP3R6_6T1C-*	3.6	A,B,C,D	500
0711UP3R9_6T1C-*	3.9	A,B,C,D	500
0711UP4R3_6T1C-*	4.3	A,B,C,D	500
0711UP4R7_6T1C-*	4.7	A,B,C,D	500

COMMERCIAL PART NUMBER	CAP. (pF)	TOL.	WVDC
0711UP5R1_6T1C-*	5.1	A,B,C,D	500
0711UP5R6_6T1C-*	5.6	A,B,C,D	500
0711UP6R2_6T1C-*	6.2	A,B,C,D	500
0711UP6R8_6T1C-*	6.8	A,B,C,D	500
0711UP7R5_6T1C-*	7.5	A,B,C,D	500
0711UP8R2_6T1C-*	8.2	A,B,C,D	500
0711UP9R1_6T1C-*	9.1	A,B,C,D	500
0711UP100_6T1C-*	10	F,G,J,K	500
0711UP110_6T1C-*	11	F,G,J,K	500
0711UP120_6T1C-*	12	F,G,J,K	500
0711UP130_6T1C-*	13	F,G,J,K	500
0711UP150_6T1C-*	15	F,G,J,K	500
0711UP160_6T1C-*	16	F,G,J,K	500
0711UP180_6T1C-*	18	F,G,J,K	500
0711UP200_6T1C-*	20	F,G,J,K	500
0711UP220_6T1C-*	22	F,G,J,K	500

COMMERCIAL PART NUMBER	CAP. (pF)	TOL.	WVDC
0711UP240_6T1C-*	24	F,G,J,K	500
0711UP270_6T1C-*	27	F,G,J,K	500
0711UP300_6T1C-*	30	F,G,J,K	500
0711UP330_6T1C-*	33	F,G,J,K	500
0711UP360_6T1C-*	36	F,G,J,K	500
0711UP390_6T1C-*	39	F,G,J,K	500
0711UP430_6T1C-*	43	F,G,J,K	500
0711UP470_6T1C-*	47	F,G,J,K	500
0711UP510_6T1C-*	51	F,G,J,K	500
0711UP560_6T1C-*	56	F,G,J,K	500
0711UP620_6T1C-*	62	F,G,J,K	500
0711UP680_6T1C-*	68	F,G,J,K	500
0711UP750_6T1C-*	75	F,G,J,K	500
0711UP820_6T1C-*	82	F,G,J,K	500
0711UP910_6T1C-*	91	F,G,J,K	500
0711UP101_6T1C-*	100	F,G,J,K	500

For other cap values contact factory.

### 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

**Example:** 100 = 10 pF  
102 = 1,000 pF  
104 = 100,000 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)
0.070 ± 0.015 (1.778 ± .381)	0.105 ± 0.01 (2.667 ± 0.254)	0.090 MAX (2.286 MAX)	0.005 to 0.020 (0.127 to 0.508)

#### Termination Codes

Code	RoHS Comp.	Typical Application	Termination Build up	Recommended Reflow Temp.
T	Yes	Solder Reflow	100% Tin Plated Nickel Barrier Silver Base	220°C to 260°C Typical*
N	No	Solder Reflow	90% Tin/10% Lead Plated Nickel Barrier Silver Base	220°C to 260°C Typical*
P	Yes	Conductive Epoxy Non-Magnetic	Palladium-Silver	Cure Epoxy as per Manufacturer's Spec.
G	Yes	Conductive Epoxy, Wire Bondable	50 μ" Gold Typical Nickel Barrier Silver Base	Cure Epoxy as per Manufacturer's Spec.

#### Working Voltage

Code	WVDC	Code	WVDC
2	50	9	1000
3	100	N	1500
A	150	P	2000
4	200	Q	2500
&	250	R	3000
5	300	S	3600
6	500	U	5000
#	800	+	7200

#### Packaging Codes

1 = Tape and Reel  
5 = Waffle Pack

#### RoHS

Code	Compliant
N	No
R	Legacy (Ended 2012)
C	Yes (Started 1/2013)

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

### COMMERCIAL PART NUMBER EXAMPLE (How to Order)

0711	UP	270	J	6	T	1	C	A
Size	Dielectric (See Page 3)	Capacitance	Capacitance Tolerance	Voltage	Termination	Packaging	RoHS Compliant	Design-In Code (See Page 19)

# A WORD TO THE DESIGN ENGINEER

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

## OUTSIDE THE UNITED STATES

USA	Code	USA	Code	Americas	Code	Europe	Code
Alabama	G	Nebraska	P	Canada	R	Austria	3
Alaska	P	Nevada, North	B	Mexico	R	Belgium	1
Arizona	D	Nevada, South	C	Caribbean	R	Denmark	5
Arkansas	P	New Hampshire	L	Central America	R	Finland	5
California, North	B	New Jersey	J	South America	R	France	2
California, South	C	New Mexico	D			Germany	3
Colorado	E	New York, Metro	J	<b>Pacific Rim</b>		Ireland	6
Connecticut	L	New York, Upstate	K	Australia	S	Italy	4
Delaware	I	North Carolina	G	China	T	Luxembourg	1
District of Columbia	H	North Dakota	O	Japan	U	Netherlands	1
Florida	G	Ohio	M	Korea, South	V	Norway	5
Georgia	G	Oklahoma	P	Malaysia	W	Sweden	5
Hawaii	P	Oregon	A	Singapore	X	Switzerland	3
Idaho	A	Pennsylvania	I	Other Pacific Rim Countries	Y	United Kingdom	6
Illinois	N	Rhode Island	L			Other European Countries	7
Indiana	M	South Carolina	G			<b>Other</b>	
Iowa	O	South Dakota	O			India	Z
Kansas	P	Tennessee	G			Israel	8
Kentucky	M	Texas	F			Rest of World	9
Louisiana	P	Utah	E				
Maine	L	Vermont	L				
Maryland	H	Virginia	H				
Massachusetts	L	Washington	A				
Michigan	N	West Virginia	P				
Minnesota	O	Wisconsin, East	N				
Mississippi	G	Wisconsin, West	O				
Missouri	N	Wyoming	E				
Montana	A						

**PART NUMBER EXAMPLE:**  
**0505UP101JAT1CA**

**PART DESCRIPTION:** Ceramic Capacitor,  
 0505, Ultra-Porcelain™, 100pF ± 5%,  
 150 VDC, Tin, Tape and Reel, RoHS,  
 Design-In Code A for Washington State.