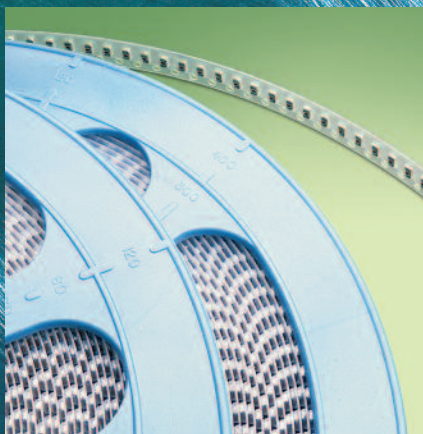
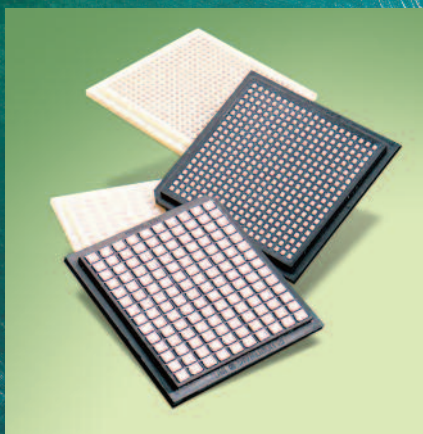
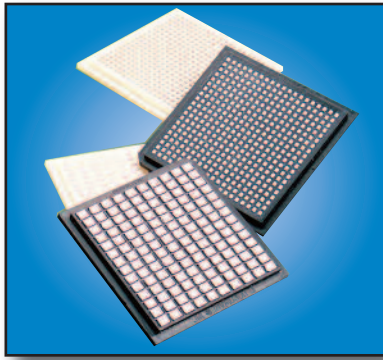


CERAMIC CHIP CAPACITORS





PRESIDIO COMPONENTS, INC.

OUTSTANDING CUSTOMER SERVICE AND EXPERIENCE YOU CAN TRUST

Presidio Components has been an industry leader in the manufacture of ceramic capacitors since 1980. We are dedicated to excellence in manufacturing, process control and customer service. All products are manufactured and tested in our state-of-the-art, 40,000 square foot facility in San Diego, California, allowing for immediate response to your business needs. We have numerous patents, and hundreds of years of combined engineering experience, and we can formulate the right product for your application. At Presidio Components we work hard to build positive, long term relationships with our customers and we will go the extra distance to ensure customer satisfaction.

Standard & Custom Products

If you cannot find a part anywhere else, call Presidio Components. With more than 70 million parts in inventory, we have many commercial and military parts in stock. If you have a custom application, call the factory. Our custom products include nonstandard part sizes and voltages, including high voltage, high temperature, high "Q", custom leads, cryogenic ceramics, negative and positive temperature characteristic ceramics and piezoelectric formulations. We have a series of patented microwave and radio frequency products including patented single layer and broadband DC blocking caps.

**For more information about
Presidio's products or the name of
your local sales representative
visit our website at:**

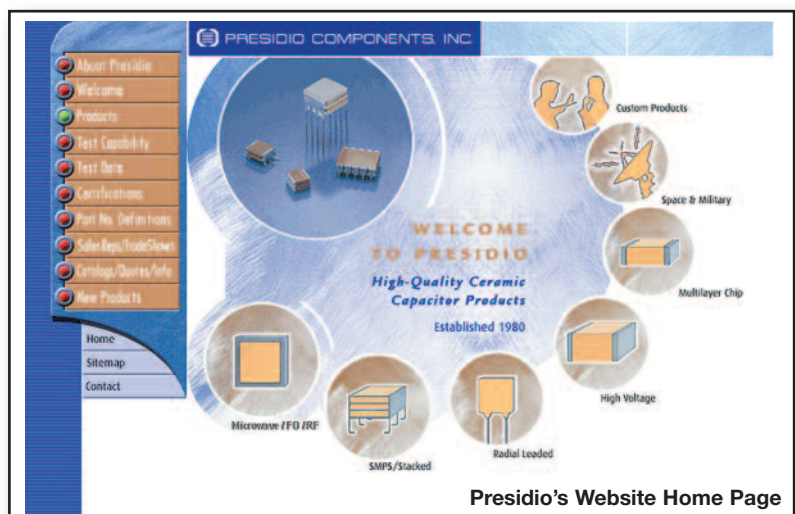
www.presidiocomponents.com

Diverse Markets

Presidio Components provides ceramic capacitors for high quality commercial, military, space and implant medical applications. Our customers manufacture products such as aircraft, missile guidance systems, switch mode power supplies, phased array radar, high frequency transponders and receivers, ring laser gyros, and cochlear implants.

QPL Products & DSCC Approved Test Lab

Presidio Components was initially qualified to MIL-PRF-55681 in 1984. Since then we have upgraded our processing line to obtain the highest established reliability rating of "S" level. We are also qualified on two additional space level specifications, MIL-PRF-123 and MIL-PRF-49470 "T" level. And, Presidio Components is proud to be the first QPL supplier to MIL-PRF-49467, the high voltage ceramic capacitor specification. All QPL testing per MIL-STD-202 is done on site at our DSCC approved test lab. For a list of environmental test capability, consult the factory.



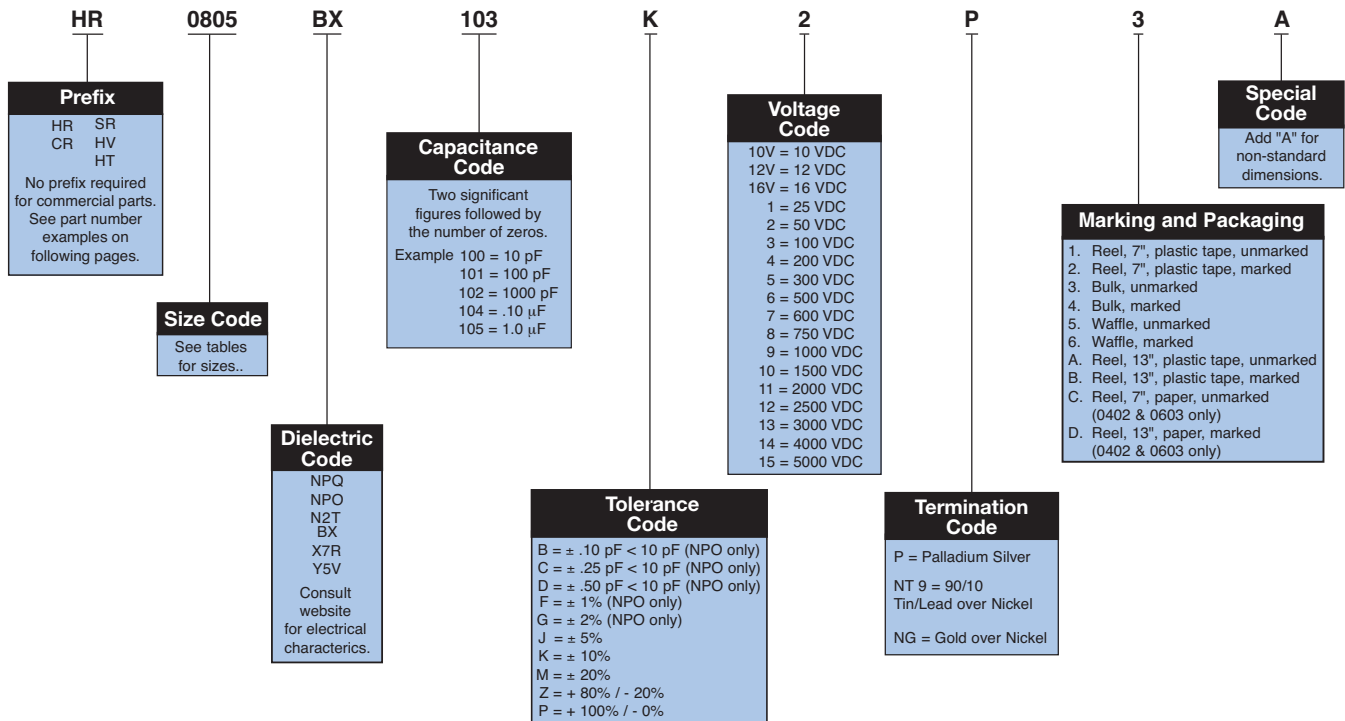
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www.presidiocomponents.com • email: info@presidiocomponents.com

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HOW TO ORDER A STANDARD PART

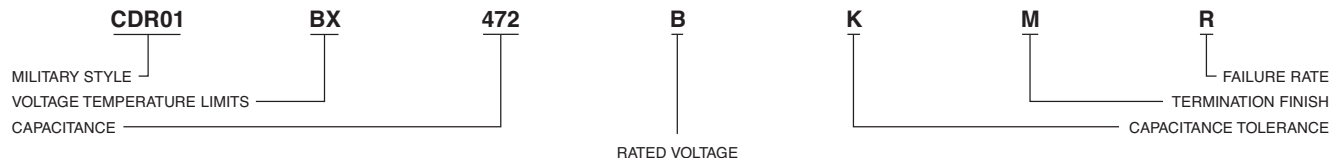
EXAMPLE: HR0805BX103K2P3A



Consult factory for other voltages, capacitance options and parts outside a given range.

HOW TO ORDER A MILITARY PART

EXAMPLE: CDR01BX472BKMR



See MIL-PRF-55681 on pages 14-15 for details.



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COMMERCIAL CAPACITORS

Presidio provides high quality ceramic capacitors for a wide variety of commercial applications. Every component must pass the test criteria listed below.

QUALITY ASSURANCE PROVISIONS

Every lot undergoes the following inspection and tests:

a) Capacitance — All parts are tested at 25°C and 1VACRMS in accordance with Method 305 of MIL-STD-202. Y5V and low voltage parts follow EIA guidelines.

b) Dissipation Factor (DF) — See following table:

Voltage Rating	NPO	BX	X7R	Y5V
10	N/A	2.5%	5%	10%
16/25	.15%	2.5%	3.5%	7%
≥ 50	.15%	2.5%	2.5%	5%

c) Dielectric Withstanding Voltage (DWV) — All parts are tested to EIA/MIL standards.

d) Insulation Resistance (IR @ 25°C) — All parts are tested at 25°C and rated voltage in accordance with Method 302 of MIL-STD-202. The minimum IR required is 100,000 megohms or 1,000 megohm-microfarads.

e) Visual — Performed on pieces in accordance with Presidio internal workmanship criteria.

f) Mechanical — Level 1 AQL 1% in accordance with this catalog.

g) Operating Temperature Range: –55°C to +125°C

EXAMPLE PART NUMBER

0805BX103K2P3

See Page 3

“HOW TO ORDER A STANDARD PART”

HIGH RELIABILITY “HR” CAPACITORS

For applications where reliability, but not full military screening is required, Presidio recommends its high reliability “HR” capacitors. The “HR” code signifies use of the test program below, or the use of a customer Source Control Document (SCD) that includes voltage conditioning.

QUALITY ASSURANCE PROVISIONS

Every lot undergoes the following inspection and tests:

a) Voltage Conditioning — All parts receive a voltage conditioning at 2X rated voltage and 125°C for a minimum of 8 hours. An accelerated voltage conditioning, following MIL-PRF-55681 guidelines, may be used at Presidio's discretion.

b) Capacitance — All parts are tested at 25°C and 1VACRMS in accordance with Method 305 of MIL-STD-202.

c) Dissipation Factor (DF) — See following table:

Voltage Rating	NPO	BX	X7R	Y5V
10	N/A	2.5%	5%	10%
16/25	.15%	2.5%	3.5%	7%
≥ 50	.15%	2.5%	2.5%	5%

d) Dielectric Withstanding Voltage (DWV) — All parts are tested at 2.5X rated voltage in accordance with Method 301 of MIL-STD-202, or according to EIA/MIL Standards.

e) Insulation Resistance (IR @ 25°C) — All parts are tested at 25°C and rated voltage in accordance with Method 302 of MIL-STD-202. The minimum IR required is 100,000 megohms or 1,000 megohm-microfarads.

f) Visual — Performed on pieces in accordance with Presidio internal workmanship criteria.

g) Mechanical — Level 1 AQL 1% in accordance with this catalog.

h) Element Evaluation (optional) — A MIL-PRF-38534 Appendix C Passive Element Class H element evaluation is available where the customer requires this testing. Element evaluation is not required on each lot, and must be specified on the purchase order.

i) Operating Temperature Range: –55°C to +125°C

EXAMPLE PART NUMBER

HR0805BX103K2P3

Add “HR” to the beginning of the standard Presidio part number. See Page 3
“HOW TO ORDER A STANDARD PART”

CERTIFICATE OF COMPLIANCE

A Certificate of Compliance will be sent with each shipment.

Visit Presidio's website for additional technical information on these products.

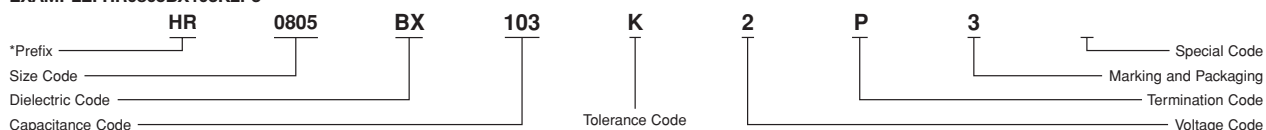


PRESIDIO COMPONENTS, INC.

SIZE	L inches (mm)	W inches (mm)	THICKNESS MAX. (T) inches (mm)	METALIZATION BAND (M.B.) inches (mm)	WVDC	DIELECTRIC			
						NPO	BX	X7R	Y5V
0402	0.040 (1.02) ± 0.004 (0.10)	0.020 (0.51) ± 0.004 (0.10)	0.024 (0.61)	0.004 (0.10) min. band 0.015 (0.38) min. space	10 V	390 pF	6800 pF	0.012 µF	0.047 µF
					16 V	200 pF	3300 pF	6800 pF	0.027 µF
					25 V	120 pF	2200 pF	4700 pF	0.018 µF
					50 V	100 pF	1800 pF	3900 pF	0.012 µF
					100 V	39 pF	680 pF	1200 pF	5600 pF
0403	0.040 (1.02) ± 0.010 (0.25)	0.030 (0.76) ± 0.010 (0.25)	0.030 (0.76)	0.004 (0.10) min. band 0.015 (0.38) min. space	10 V	1200 pF	0.020 µF	0.047 µF	0.12 µF
					16 V	560 pF	0.012 µF	0.022 µF	0.068 µF
					25 V	390 pF	6800 pF	0.015 µF	0.047 µF
					50 V	330 pF	5600 pF	0.012 µF	0.033 µF
					100 V	68 pF	1000 pF	2200 pF	6800 pF
0504	0.050 (1.27) ± 0.010 (0.25)	0.040 (1.02) ± 0.010 (0.25)	0.040 (1.02)	0.005 (0.13) min. band 0.015 (0.38) min. space	10 V	2700 pF	0.068 µF	0.12 µF	0.39 µF
					16 V	1800 pF	0.039 µF	0.082 µF	0.22 µF
					25 V	1500 pF	0.027 µF	0.047 µF	0.12 µF
					50 V	1200 pF	0.020 µF	0.039 µF	0.082 µF
					100 V	180 pF	2700 pF	6800 pF	0.018 µF
0603	0.063 (1.60) ± 0.006 (0.15)	0.032 (0.81) ± 0.006 (0.15)	0.035 (0.89)	0.005 (0.13) min. band 0.025 (0.64) min. space	10 V	2200 pF	0.039 µF	0.10 µF	0.22 µF
					16 V	1000 pF	0.020 µF	0.043 µF	0.12 µF
					25 V	680 pF	0.015 µF	0.027 µF	0.082 µF
					50 V	560 pF	0.010 µF	0.022 µF	0.056 µF
					100 V	100 pF	1800 pF	3300 pF	0.010 µF
0805	0.080 (2.03) ± 0.010 (0.25)	0.050 (1.27) ± 0.010 (0.25)	0.050 (1.27)	0.020 (0.51) ± 0.010 (0.25)	10 V	4700 pF	0.1 µF	0.22 µF	0.68 µF
					16 V	3300 pF	0.075 µF	0.15 µF	0.47 µF
					25 V	2700 pF	0.047 µF	0.10 µF	0.27 µF
					50 V	2200 pF	0.039 µF	0.10 µF	0.18 µF
					100 V	560 pF	8200 pF	0.022 µF	0.056 µF
1206	0.126 (3.20) ± 0.008 (0.20)	0.063 (1.60) ± 0.008 (0.20)	0.059 (1.50)	0.020 (0.51) ± 0.010 (0.25)	10 V	0.012 µF	0.25 µF	0.56 µF	1.8 µF
					16 V	8200 pF	0.2 µF	0.39 µF	1.2 µF
					25 V	6800 pF	0.15 µF	0.27 µF	0.82 µF
					50 V	5600 pF	0.1 µF	0.22 µF	0.56 µF
					100 V	1500 pF	0.027 µF	0.068 µF	0.18 µF
					200 V	820 pF	0.012 µF	0.027 µF	
1209	0.125 (3.18) ± 0.010 (0.25)	0.095 (2.41) ± 0.010 (0.25)	0.065 (1.65)	0.020 (0.51) ± 0.010 (0.25)	10 V	0.018 µF	0.39 µF	0.82 µF	2.5 µF
					16 V	0.012 µF	0.27 µF	0.68 µF	1.8 µF
					25 V	0.010 µF	0.22 µF	0.47 µF	1.5 µF
					50 V	8200 pF	0.18 µF	0.39 µF	1.2 µF
					100 V	3900 pF	0.068 µF	0.15 µF	0.47 µF
					200 V	1800 pF	0.033 µF	0.068 µF	
1712	0.175 (4.45) ± 0.013 (0.33)	0.125 (3.18) ± 0.010 (0.25)	0.065 (1.65)	0.020 (0.51) ± 0.010 (0.25)	10 V	0.039 µF	0.82 µF	1.8 µF	5.6 µF
					16 V	0.027 µF	0.56 µF	1.2 µF	3.9 µF
					25 V	0.022 µF	0.47 µF	1.0 µF	2.7 µF
					50 V	0.015 µF	0.27 µF	0.68 µF	1.8 µF
					100 V	6800 pF	0.12 µF	0.27 µF	0.82 µF
					200 V	3300 pF	0.056 µF	0.12 µF	
1725	0.175 (4.45) ± 0.013 (0.33)	0.250 (6.35) ± 0.018 (0.46)	0.065 (1.65)	0.020 (0.51) ± 0.010 (0.25)	10 V	0.082 µF	2.0 µF	3.9 µF	12.0 µF
					16 V	0.068 µF	1.5 µF	3.3 µF	8.2 µF
					25 V	0.056 µF	1.2 µF	2.2 µF	6.8 µF
					50 V	0.039 µF	0.82 µF	1.8 µF	4.7 µF
					100 V	0.018 µF	0.33 µF	0.68 µF	2.0 µF
					200 V	8200 pF	0.12 µF	0.27 µF	
2225	0.220 (5.59) ± 0.015 (0.38)	0.250 (6.35) ± 0.018 (0.46)	0.080 (2.03)	0.020 (0.51) ± 0.010 (0.25)	10 V	0.10 µF	2.2 µF	4.7 µF	15.0 µF
					16 V	0.082 µF	1.8 µF	3.9 µF	12.0 µF
					25 V	0.068 µF	1.5 µF	3.3 µF	10.0 µF
					50 V	0.056 µF	1.0 µF	2.2 µF	6.8 µF
					100 V	0.027 µF	0.47 µF	1.0 µF	2.7 µF
					200V	0.012 µF	0.22 µF	0.47 µF	

HOW TO ORDER

EXAMPLE: HR0805BX103K2P3



*No prefix required for commercial parts.



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HIGH RELIABILITY “CR” CAPACITORS

(TESTED SIMILARLY TO MIL-PRF-55681)

For applications that require a high level of reliability, Presidio recommends its high reliability “CR” capacitors. Tested similarly to MIL-PRF-55681 Group A, Presidio manufactures these chips on the same manufacturing line as its military product line. They may be used in both military and space applications. Please note these capacitors are NOT MIL-qualified.

QUALITY ASSURANCE PROVISIONS

Every lot undergoes the following inspection and tests:

- a) **Destructive Physical Analysis (DPA)** — A 32-piece sample is pulled from each lot and examined per relevant sections of EIA 469 and to verify adherence to Presidio’s internal design criteria.
 - b) **Voltage Conditioning** — All parts receive a voltage conditioning at 2X rated voltage and 125°C for 100 hours. An accelerated voltage conditioning, following MIL-PRF-55681 guidelines, may be used at Presidio’s discretion.
 - c) **Capacitance** — All parts are tested at 25°C and 1VACRMS in accordance with method 305 of MIL-STD-202.
 - d) **Dissipation Factor (DF)** — See following table:
- | Voltage Rating | NPO | BX | X7R |
|----------------|------|------|------|
| 16/25 | .15% | 2.5% | 3.5% |
| ≥ 50 | .15% | 2.5% | 2.5% |
- e) **Dielectric Withstanding Voltage (DWV)** — All parts are tested at 2.5X rated voltage in accordance with Method 301 of MIL-STD-202, or according to EIA/MIL Standards.
 - f) **Insulation Resistance (IR @ 25°C)** — All parts are tested at 25°C and rated voltage in accordance with Method 302 of MIL-STD-202. The minimum IR required is 100,000 megohms or 1,000 megohm-microfarads.
 - g) **Percent Defective Allowed (PDA)** — The cumulative PDA after voltage conditioning is 8%. Pieces rejected as out of tolerance for capacitance or visual screening will be removed from the lot but not counted in the PDA calculation.
 - h) **Visual** — Performed on pieces in accordance with Presidio internal workmanship criteria.

i) **Mechanical** — Level 1 AQL 1% in accordance with this catalog.

j) **Class H Element Evaluation (optional)** — A MIL-PRF-38534 Appendix C Passive Element Class H element evaluation is available where the customer requires this testing. Element evaluation is not required on each lot, and must be specified on the purchase order.

k) **Operating Temperature Range:** –55°C to +125°C

STANDARD PACKAGING

Product will be packaged in individual waffle trays.

DATA PACKAGE

Data will be sent with each shipment including:

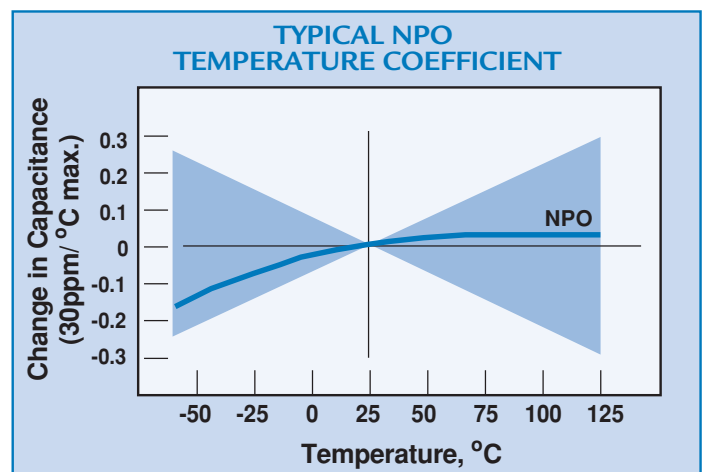
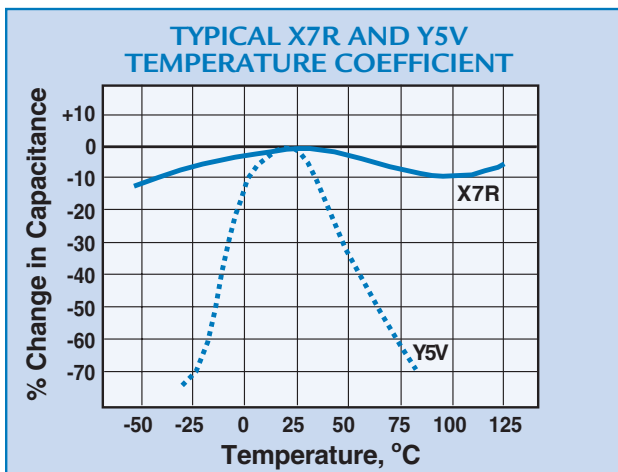
- a) **Destructive Physical Analysis Report (optional)** — Destructive Physical Analysis (DPA) report and photographs for each lot. Extra charge may apply.
- b) **Certificate of Compliance** — A Certificate of Compliance will be sent with each shipment.
- c) **Class H Element Evaluation** — If a Class H element evaluation is required, all variables test data for subgroup 3 tests will be included in the data package.

EXAMPLE PART NUMBER

CR0805BX103K2P3

Add “CR” to the beginning of the standard Presidio part number. See Page 3
“HOW TO ORDER A STANDARD PART”

Visit Presidio’s website for additional technical information on these products.



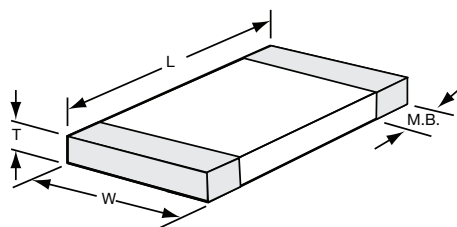
PRESIDIO COMPONENTS, INC.

SIZE	L inches (mm)	W inches (mm)	THICKNESS MAX. (T) inches (mm)	METALIZATION BAND (M.B.) inches (mm)	WVDC	DIELECTRIC		
						NPO	BX	X7R
0402	0.040 (1.02) ± 0.004 (0.10)	0.020 (0.51) ± 0.004 (0.10)	0.024 (0.61)	0.004 (0.10) min. band 0.015 (0.38) min. space	16 V	150 pF	2200 pF	4700 pF
					25 V	100 pF	1500 pF	3300 pF
					50 V	68 pF	1000 pF	2200 pF
					100 V	39 pF	470 pF	1200 pF
0403	0.040 (1.02) ± 0.010 (0.25)	0.030 (0.76) ± 0.010 (0.25)	0.030 (0.76)	0.004 (0.10) min. band 0.015 (0.38) min. space	16 V	270 pF	3900 pF	8200 pF
					25 V	180 pF	2700 pF	6800 pF
					50 V	120 pF	2200 pF	4700 pF
					100 V	68 pF	820 pF	2200 pF
0504	0.050 (1.27) ± 0.010 (0.25)	0.040 (1.02) ± 0.010 (0.25)	0.040 (1.02)	0.005 (0.13) min. band 0.015 (0.38) min. space	16 V	560 pF	8200 pF	0.022 µF
					25 V	470 pF	8200 pF	0.015 µF
					50 V	330 pF	4700 pF	0.012 µF
					100 V	180 pF	2200 pF	5600 pF
0603	0.063 (1.60) ± 0.006 (0.15)	0.032 (0.81) ± 0.006 (0.15)	0.035 (0.89)	0.005 (0.13) min. band 0.025 (0.64) min. space	16 V	330 pF	5600 pF	0.012 µF
					25 V	220 pF	4700 pF	0.010 µF
					50 V	180 pF	3300 pF	6800 pF
					100 V	100 pF	1200 pF	3300 pF
0805	0.080 (2.03) ± 0.010 (0.25)	0.050 (1.27) ± 0.010 (0.25)	0.050 (1.27)	0.020 (0.51) ± 0.010 (0.25)	16 V	1500 pF	0.027 µF	0.068 µF
					25 V	1200 pF	0.022 µF	0.047 µF
					50 V	820 pF	0.015 µF	0.033 µF
					100 V	390 pF	6800 pF	0.018 µF
1206	0.126 (3.20) ± 0.008 (0.20)	0.063 (1.60) ± 0.008 (0.20)	0.059 (1.50)	0.020 (0.51) ± 0.010 (0.25)	16 V	5600 pF	0.10 µF	0.22 µF
					25 V	3900 pF	0.082 µF	0.15 µF
					50 V	2700 pF	0.047 µF	0.10 µF
					100 V	1200 pF	0.022 µF	0.056 µF
1209	0.125 (3.18) ± 0.010 (0.25)	0.095 (2.41) ± 0.010 (0.25)	0.065 (1.65)	0.020 (0.51) ± 0.010 (0.25)	16 V	.010 µF	0.22 µF	0.47 µF
					25 V	8200 pF	0.18 µF	0.39 µF
					50 V	6800 pF	0.15 µF	0.33 µF
					100 V	3300 pF	0.056 µF	0.10 µF
1712	0.175 (4.45) ± 0.013 (0.33)	0.125 (3.18) ± 0.010 (0.25)	0.065 (1.65)	0.020 (0.51) ± 0.010 (0.25)	16 V	0.022 µF	0.47 µF	0.82 µF
					25 V	0.018 µF	0.33 µF	0.56 µF
					50 V	0.012 µF	0.22 µF	0.39 µF
					100 V	5600 pF	0.10 µF	0.18 µF
1725	0.175 (4.45) ± 0.013 (0.33)	0.250 (6.35) ± 0.018 (0.46)	0.065 (1.65)	0.020 (0.51) ± 0.010 (0.25)	16 V	0.047 µF	1.2 µF	1.8 µF
					25 V	0.039 µF	0.82 µF	1.2 µF
					50 V	0.027 µF	0.56 µF	1.0 µF
					100 V	0.012 µF	0.27 µF	0.39 µF
2225	0.220 (5.59) ± 0.015 (0.38)	0.250 (6.35) ± 0.018 (0.46)	0.080 (2.03)	0.020 (0.51) ± 0.010 (0.25)	16 V	0.056 µF	1.5 µF	2.7 µF
					25 V	0.056 µF	1.2 µF	1.8 µF
					50 V	0.039 µF	0.82 µF	1.5 µF
					100 V	0.018 µF	0.39 µF	0.68 µF

EXAMPLE: CR0805BX103K2P3

HOW TO ORDER

Prefix CR Size Code 0805 Dielectric Code BX Capacitance Code 103 Tolerance Code K Termination Code 2 Voltage Code P Marking and Packaging 3 Special Code _____



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HIGH RELIABILITY “SR” CAPACITORS

(TESTED SIMILARLY TO MIL-PRF-123-GROUP A)

For applications that require the highest level of reliability, Presidio recommends its high reliability “SR” capacitors. Tested similarly to MIL-PRF-123 Group A, Presidio manufactures these chips on the same manufacturing line as its military product line. They may be used in both military and space applications. Please note these capacitors are NOT MIL-qualified.

QUALITY ASSURANCE PROVISIONS

Every lot undergoes the following inspection and tests:

- a) **Destructive Physical Analysis (DPA)** — A representative sample is pulled from each lot and examined per relevant sections of EIA 469 and to verify adherence to Presidio’s internal design criteria. Sample size is per MIL-PRF-123.
- b) **Ultrasonic Scanning (optional)** — This screening may be performed on lots to assure the highest quality microstructure. Ultrasonic scanning is not required for each lot, and must be specified on the customer purchase order.
- c) **Thermal Shock** — All parts are temperature cycled for 20 cycles in accordance with MIL-PRF-123.
- d) **Voltage Conditioning** — All parts receive a voltage conditioning at 2X rated voltage and 125°C for a minimum of 168 hours and a maximum of 264 hours. Voltage conditioning may be terminated at any time between 168 and 264 hour time intervals when failures are less than .1% or 1 piece, during the last 48 hours of the test. Tested in accordance with MIL-PRF-123 except resistors are used in place of fuses.
- e) **Insulation Resistance (IR @ 125°C)** — All parts are tested at 125°C and rated voltage in accordance with Method 302 of MIL-STD-202. The minimum IR required is 10,000 megohms or 100 megohm-microfarads.
- f) **Dielectric Withstanding Voltage (DWV)** — All parts are tested at 2.5X rated voltage in accordance with Method 301 of MIL-STD-202, or according to EIA/MIL Standards.
- g) **Insulation Resistance (IR @ 25°C)** — All parts are tested at 25°C and rated voltage in accordance with Method 302 of MIL-STD-202. The minimum IR required is 100,000 megohms or 1,000 megohm-microfarads.
- h) **Capacitance** — All parts are tested at 25°C and 1VACRMS in accordance with Method 305 of MIL-STD-202.
- i) **Dissipation Factor (DF)** — See following table:
- j) **Percent Defective Allowed (PDA)** — The cumulative PDA after voltage conditioning is 5%. Pieces rejected as out of tolerance for capacitance or visual screening will be removed from the lot but not counted in the PDA calculation.
- k) **Visual** — Performed on pieces in accordance with MIL-PRF-123 Appendix B.
- l) **Mechanical** — Level 1 AQL 1% in accordance with MIL-PRF-123.
- m) **Class K Element Evaluation (optional)** — A MIL-PRF-38534 Appendix C Passive Element Class K element evaluation is available when the customer requires this testing. Element evaluation is not required on each lot, and must be specified on the purchase order.
- n) **Operating Temperature Range:** –55°C to +125°C

Voltage Rating	NPO	BX	X7R
16/25	.15%	2.5%	3.5%
≥ 50	.15%	2.5%	2.5%

STANDARD PACKAGING

Product will be packaged in individual waffle trays or tape and reel as specified by customer.

DATA PACKAGE

Data will be sent with each shipment including:

- a) **Destructive Physical Analysis Report (optional)** — Destructive Physical Analysis (DPA) report and photographs for each lot will be sent. Extra charge may apply.
- b) **Certificate of Compliance** — Certificate of Compliance and attributes test data sheet will be sent with each shipment.
- c) **Class K Element Evaluation** — If a Class K element evaluation is required, all variables test data for subgroup 3 tests will be included in the data package.
- d) **Ultrasonic Scanning Report (optional)** — An ultrasonic scanning report will be sent, including a typical scan. Extra charge may apply.

EXAMPLE PART NUMBER

SR0805BX103K2P5

Add “SR” to the beginning of the standard Presidio part number. See Page 3
“HOW TO ORDER A STANDARD PART”

Visit Presidio’s website for additional technical information on these products.



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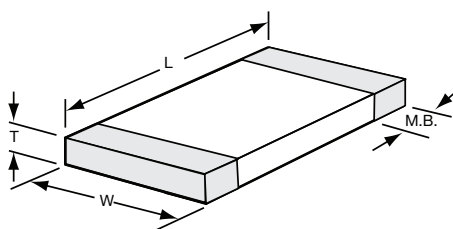
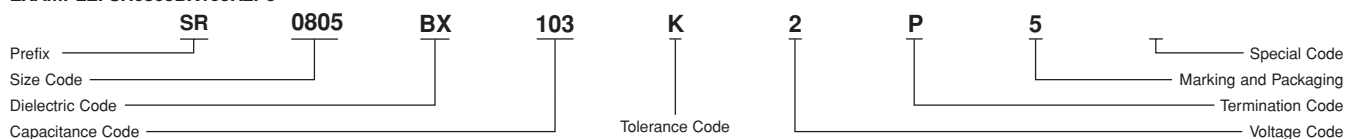
SIZE	L inches (mm)	W inches (mm)	THICKNESS MAX. (T) inches (mm)	METALIZATION BAND (M.B.) inches (mm)	WVDC	DIELECTRIC		
						NPO	BX	X7R
0402	0.040 (1.02) ± 0.004 (0.10)	0.020 (0.51) ± 0.004 (0.10)	0.024 (0.61)	0.004 (0.10) min. band 0.015 (0.38) min. space	16 V	68 pF	1200 pF	3300 pF
					25 V	47 pF	820 pF	2200 pF
					50 V	27 pF	560 pF	1500 pF
					100 V	18 pF	330 pF	680 pF
0403	0.040 (1.02) ± 0.010 (0.25)	0.030 (0.76) ± 0.010 (0.25)	0.030 (0.76)	0.004 (0.10) min. band 0.015 (0.38) min. space	16 V	270 pF	3300 pF	0.010 µF
					25 V	180 pF	2200 pF	6800 pF
					50 V	120 pF	1500 pF	5600 pF
					100 V	56 pF	680 pF	1800 pF
0504	0.050 (1.27) ± 0.010 (0.25)	0.040 (1.02) ± 0.010 (0.25)	0.040 (1.02)	0.005 (0.13) min. band 0.015 (0.38) min. space	16 V	560 pF	6800 pF	0.027 µF
					25 V	330 pF	5600 pF	0.018 µF
					50 V	270 pF	3900 pF	0.012 µF
					100 V	100 pF	1800 pF	3900 pF
0603	0.063 (1.60) ± 0.006 (0.15)	0.032 (0.81) ± 0.006 (0.15)	0.035 (0.89)	0.005 (0.13) min. band 0.025 (0.64) min. space	16 V	470 pF	4700 pF	0.018 µF
					25 V	270 pF	3300 pF	0.012 µF
					50 V	220 pF	2200 pF	8200 pF
					100 V	68 pF	1000 pF	2200 pF
0805	0.080 (2.03) ± 0.010 (0.25)	0.050 (1.27) ± 0.010 (0.25)	0.050 (1.27)	0.020 (0.51) ± 0.010 (0.25)	16 V	1500 pF	0.022 µF	0.056 µF
					25 V	1000 pF	0.018 µF	0.039 µF
					50 V	820 pF	0.010 µF	0.027 µF
					100 V	330 pF	5600 pF	0.012 µF
1206	0.126 (3.20) ± 0.008 (0.20)	0.063 (1.60) ± 0.008 (0.20)	0.059 (1.50)	0.020 (0.51) ± 0.010 (0.25)	16 V	5600 pF	0.082 µF	0.22 µF
					25 V	3900 pF	0.056 µF	0.15 µF
					50 V	2700 pF	0.039 µF	0.12 µF
					100 V	1000 pF	0.022 µF	0.047 µF
1209	0.125 (3.18) ± 0.010 (0.25)	0.095 (2.41) ± 0.010 (0.25)	0.065 (1.65)	0.020 (0.51) ± 0.010 (0.25)	16 V	0.010 µF	0.22 µF	0.47 µF
					25 V	6800 pF	0.18 µF	0.33 µF
					50 V	5600 pF	0.12 µF	0.22 µF
					100 V	2200 pF	0.047 µF	0.10 µF
1712	0.175 (4.45) ± 0.013 (0.33)	0.125 (3.18) ± 0.010 (0.25)	0.065 (1.65)	0.020 (0.51) ± 0.010 (0.25)	16 V	0.018 µF	0.33 µF	0.68 µF
					25 V	0.012 µF	0.22 µF	0.47 µF
					50 V	0.010 µF	0.18 µF	0.39 µF
					100 V	4700 pF	0.068 µF	0.18 µF
1725	0.175 (4.45) ± 0.013 (0.33)	0.250 (6.35) ± 0.018 (0.46)	0.065 (1.65)	0.020 (0.51) ± 0.010 (0.25)	16 V	0.047 µF	0.82 µF	1.8 µF
					25 V	0.039 µF	0.56 µF	1.2 µF
					50 V	0.027 µF	0.47 µF	1.0 µF
					100 V	0.010 µF	0.22 µF	0.47 µF
2225	0.220 (5.59) ± 0.015 (0.38)	0.250 (6.35) ± 0.018 (0.46)	0.080 (2.03)	0.020 (0.51) ± 0.010 (0.25)	16 V	0.068 µF	1.2 µF	3.3 µF
					25 V	0.047 µF	1.0 µF	2.2 µF
					50 V	0.033 µF	0.68 µF	1.8 µF
					100 V	0.020 µF	0.33 µF	0.68 µF

Note: Above parts are tested similarly to MIL-PRF-55681 Group A only.

Presidio has the ability to add Group B for space and flight applications. Call the factory for more information.

EXAMPLE: SR0805BX103K2P5

HOW TO ORDER



 **PRESIDIO COMPONENTS, INC.**

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EXTENDED RANGE CAPACITORS

For commercial applications that require maximum capacitance, Presidio recommends its extended range capacitors. This product is suitable for Group A testing but is not intended for continuous use at 125° C at its maximum voltage rating.

SIZE	L inches (mm)	W inches (mm)	THICKNESS MAX. (T) inches (mm)	METALIZATION BAND (M.B.) inches (mm)	WVDC	DIELECTRIC	
						X7R	Y5V
0402	0.040 (1.02) ± 0.004 (0.10)	0.020 (0.51) ± 0.004 (0.10)	0.024 (0.61)	0.004 (0.10) min. band 0.015 (0.38) min. space	10 V	0.022 µF	0.10 µF
					16 V	0.010 µF	0.047 µF
					25 V	5600 pF	0.022 µF
0403	0.040 (1.02) ± 0.010 (0.25)	0.030 (0.76) ± 0.010 (0.25)	0.030 (0.76)	0.004 (0.10) min. band 0.015 (0.38) min. space	10 V	0.068 µF	0.18 µF
					16 V	0.033 µF	0.10 µF
					25 V	0.018 µF	0.056 µF
0504	0.050 (1.27) ± 0.010 (0.25)	0.040 (1.02) ± 0.010 (0.25)	0.040 (1.02)	0.005 (0.13) min. band 0.015 (0.38) min. space	10 V	0.15 µF	0.47 µF
					16 V	0.10 µF	0.33 µF
					25 V	0.068 µF	0.18 µF
0603	0.063 (1.60) ± 0.006 (0.15)	0.032 (0.81) ± 0.006 (0.15)	0.035 (0.89)	0.005 (0.13) min. band 0.025 (0.64) min. space	10 V	0.15 µF	0.47 µF
					16 V	0.10 µF	0.33 µF
					25 V	0.068 µF	0.18 µF
0805	0.080 (2.03) ± 0.010 (0.25)	0.050 (1.27) ± 0.010 (0.25)	0.050 (1.27)	0.020 (0.51) ± 0.010 (0.25)	10 V	0.27 µF	0.82 µF
					16 V	0.20 µF	0.56 µF
					25 V	0.15 µF	0.47 µF
1206	0.126 (3.20) ± 0.008 (0.20)	0.063 (1.60) ± 0.008 (0.20)	0.059 (1.50)	0.020 (0.51) ± 0.010 (0.25)	10 V	0.68 µF	2.0 µF
					16 V	0.47 µF	1.5 µF
					25 V	0.33 µF	1.0 µF

LOW INDUCTANCE CAPACITORS

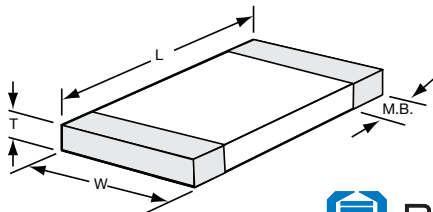
In high speed switching applications where the inductance of a traditional form factor impairs the performance of the circuit, Presidio recommends its low inductance capacitors.

SIZE	L inches (mm)	W inches (mm)	THICKNESS MAX. (T) inches (mm)	METALIZATION BAND (M.B.) inches (mm)		DIELECTRIC	
					WVDC	X7R	
0306	0.032 (0.81) ± 0.008 (0.20)	0.063 (1.60) ± 0.008 (0.20)	0.033 (0.84)	0.005 (0.13) min. band 0.010 (0.25) min. space	5 V	0.10 µF	NO
					16 V	0.039 µF	NO
					25 V	0.022 µF	YES
0508	0.050 (1.27) ± 0.010 (0.25)	0.080 (2.03) ± 0.010 (0.25)	0.045 (1.14)	0.005 (0.13) min. band 0.020 (0.51) min. space	10 V	0.12 µF	NO
					16 V	0.10 µF	NO
					25 V	0.047 µF	YES
0612	0.063 (1.60) ± 0.010 (0.25)	0.126 (3.20) ± 0.010 (0.25)	0.055 (1.40)	0.005 (0.13) min. band 0.025 (0.64) min. space	16 V	0.27 µF	NO
					25 V	0.22 µF	YES
0912	0.095 (2.41) ± 0.010 (0.25)	0.126 (3.20) ± 0.010 (0.25)	0.065 (1.65)	0.005 (0.13) min. band 0.025 (0.64) min. space	16 V	0.68 µF	NO
					25 V	0.47 µF	YES
MIL-PRF-123 MINIMUM DIELECTRIC THICKNESS COMPLIANT:					0.8 mils for 50V 1.0 mils for 100V	YES/NO	

HOW TO ORDER

EXAMPLE: 0508X7R103K2P3

Size Code	0508	X7R	103	K	2	P	3	Special Code
Dielectric Code								Marking and Packaging
Capacitance Code								Termination Code
								Voltage Code



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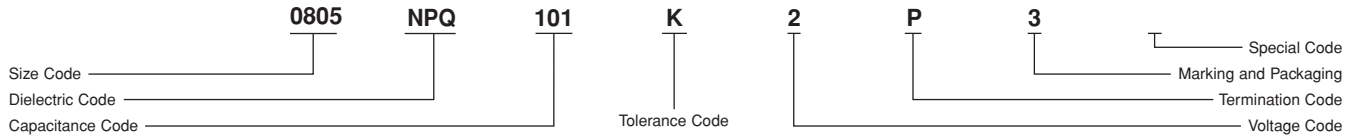
NPQ – HIGH Q DIELECTRIC CAPACITORS

For use in applications where the loss from traditional NPO formulations will not meet the circuit needs, Presidio recommends its **NPQ – High Q Dielectric Capacitors**. Made from low loss porcelain ceramic dielectric, the designator **NPQ** differentiates the ceramic from NPO in our part numbering system.

SIZE	L inches (mm)	W inches (mm)	THICKNESS MAX. (T) inches (mm)	METALIZATION BAND (M.B.) inches (mm)	WVDC	Max. Cap
0402	0.040 (1.02) ± 0.004 (0.10)	0.020 (0.51) ± 0.004 (0.10)	0.024 (0.61)	0.004 (0.10) min. band 0.015 (0.38) min. space	50 V	18 pF
0403	0.040 (1.02) ± 0.010 (0.25)	0.030 (0.76) ± 0.010 (0.25)	0.030 (0.76)	0.004 (0.10) min. band 0.015 (0.38) min. space	50 V	33 pF
0504	0.050 (1.27) ± 0.010 (0.25)	0.040 (1.02) ± 0.010 (0.25)	0.040 (1.02)	0.005 (0.13) min. band 0.015 (0.38) min. space	50 V	82 pF
0505	0.055 (1.40) ± 0.010 (0.25)	0.055 (1.40) ± 0.010 (0.25)	0.055 (1.40)	0.005 (0.13) min. band 0.015 (0.38) min. space	50 V	100 pF
0603	0.063 (1.60) ± 0.006 (0.15)	0.032 (0.81) ± 0.006 (0.15)	0.035 (0.89)	0.005 (0.13) min. band 0.025 (0.64) min. space	50 V	47 pF
0805	0.080 (2.03) ± 0.010 (0.25)	0.050 (1.27) ± 0.010 (0.25)	0.050 (1.27)	0.020 (0.51) ± 0.010 (0.25)	50 V	270 pF
1010	0.110 (2.79) ± 0.015 (0.38)	0.110 (2.79) ± 0.015 (0.38)	0.100 (2.54)	0.020 (0.51) ± 0.010 (0.25)	50 V	1000 pF
1206	0.126 (3.20) ± 0.008 (0.20)	0.063 (1.60) ± 0.008 (0.20)	0.059 (1.50)	0.020 (0.51) ± 0.010 (0.25)	50 V	820 pF

EXAMPLE: 0805NPQ101K2P3

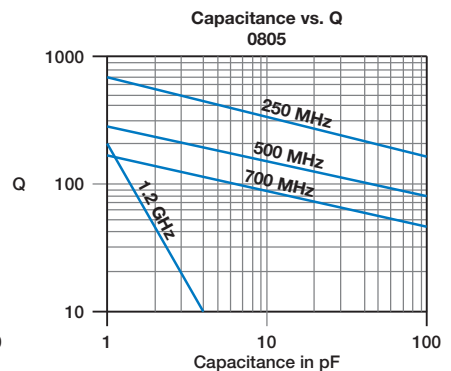
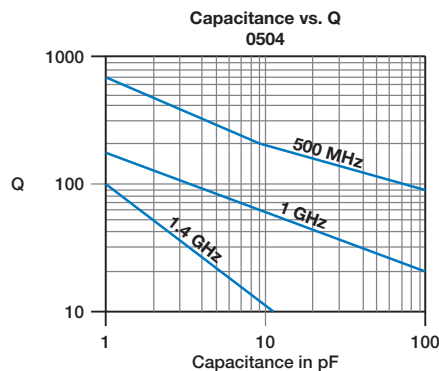
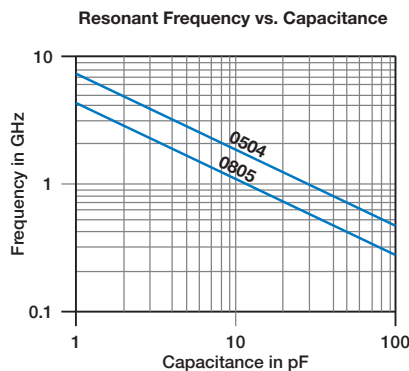
HOW TO ORDER



EXAMPLE PART NUMBER

0805NPQ101K2P3

Use the dielectric code "NPQ" as shown above.
See page 3 "HOW TO ORDER A STANDARD PART"



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HIGH VOLTAGE “HV” CAPACITORS

For use in high reliability high voltage applications, Presidio recommends its high voltage “HV” capacitors. Available screened to the requirements of MIL-PRF-49467, the high voltage parts may require encapsulation to prevent surface breakdown.

SIZE	L inches (mm)	W inches (mm)	THICKNESS MAX. (T) inches (mm)	METALIZATION BAND (M.B.) inches (mm)	WVDC	DIELECTRIC	
						NPO	X7R
1209	0.125 (3.18) ± 0.010 (0.25)	0.095 (2.41) ± 0.010 (0.25)	0.080 (2.03)	0.020 (0.51) ± 0.010 (0.25)	500 V	2700 pF	0.022 µF
					1000 V	390 pF	1800 pF
1514	0.150 (3.81) ± 0.010 (0.25)	0.140 (3.56) ± 0.010 (0.25)	0.140 (3.56)	0.020 (0.51) ± 0.010 (0.25)	500 V	3900 pF	0.039 µF
					1000 V	1800 pF	0.01 µF
					2000 V	390 pF	1800 pF
					3000 V	150 pF	820 pF
1812	0.180 (4.57) ± 0.020 (0.51)	0.160 (4.06) max.	0.120 (3.05)	0.020 (0.51) ± 0.010 (0.25)	500 V	6800 pF	0.068 µF
					1000 V	2200 pF	0.015 µF
					2000 V	270 pF	1800 pF
					3000 V	120 pF	390 pF
1825	0.180 (4.57) ± 0.020 (0.51)	0.250 (6.35) max.	0.160 (4.06)	0.020 (0.51) ± 0.010 (0.25)	500 V	0.012 µF	0.15 µF
					1000 V	5600 pF	0.027 µF
					2000 V	1000 pF	6800 pF
					3000 V	470 pF	1800 pF
1918	0.190 (4.83) ± 0.013 (0.33)	0.180 (4.57) ± 0.013 (0.33)	0.150 (3.81)	0.020 (0.51) ± 0.010 (0.25)	500 V	8200 pF	0.082 µF
					1000 V	3900 pF	0.022 µF
					2000 V	820 pF	4700 pF
					3000 V	330 pF	1800 pF
2225	0.230 (5.84) ± 0.020 (0.51)	0.250 (6.35) ± 0.018 (0.46)	0.200 (5.08)	0.020 (0.51) ± 0.010 (0.25)	500 V	0.015 µF	0.39 µF
					1000 V	6800 pF	0.068 µF
					2000 V	1500 pF	0.012 µF
					3000 V	560 pF	3900 pF
2720	0.270 (6.85) ± 0.020 (0.51)	0.230 (5.84) max.	0.200 (5.08)	0.020 (0.51) ± 0.010 (0.25)	500 V	0.012 µF	0.1 µF
					1000 V	5600 pF	0.027 µF
					2000 V	1500 pF	6800 pF
					3000 V	560 pF	3300 pF
2824	0.280 (7.11) ± 0.020 (0.51)	0.250 (6.35) max.	0.150 (3.81)	0.020 (0.51) ± 0.010 (0.25)	500 V	0.022 µF	0.22 µF
					1000 V	8200 pF	0.047 µF
					2000 V	1800 pF	0.01 µF
					3000 V	820 pF	3300 pF
3012	0.300 (7.62) ± 0.020 (0.51)	0.150 (3.81) max.	0.150 (3.81)	0.020 (0.51) ± 0.010 (0.25)	500 V	0.012 µF	0.082 µF
					1000 V	5600 pF	0.018 µF
					2000 V	560 pF	3300 pF
					3000 V	390 pF	1200 pF
3728	0.370 (9.40) ± 0.020 (0.51)	0.330 (8.38) max.	0.220 (5.59)	0.020 (0.51) ± 0.010 (0.25)	500 V	0.033 µF	0.27 µF
					1000 V	0.018 µF	0.082 µF
					2000 V	2700 pF	0.015 µF
					3000 V	1800 pF	5600 pF
					4000 V	680 pF	3300 pF
3933	0.380 (9.65) ± 0.020 (0.51)	0.350 (8.89) max	0.150 (3.81)	0.020 (0.51) ± 0.010 (0.25)	500 V	0.047 µF	0.47 µF
					1000 V	0.018 µF	0.1 µF
					2000 V	3900 pF	0.022 µF
					3000 V	1800 pF	8200 pF
					4000 V	1000 pF	3900 pF
4018	0.400 (10.16) ± 0.020 (0.51)	0.210 (5.33) max	0.200 (5.08)	0.020 (0.51) ± 0.010 (0.25)	500 V	0.022 µF	0.15 µF
					1000 V	0.012 µF	0.047 µF
					2000 V	1200 pF	0.01 µF
					3000 V	820 pF	3900 pF
					4000 V	560 pF	2200 pF

EXAMPLE PART NUMBER: HV1825X7R102K11P3

Add “HV” to the beginning of the normal Presidio part number.
See page 3 “HOW TO ORDER A STANDARD PART”



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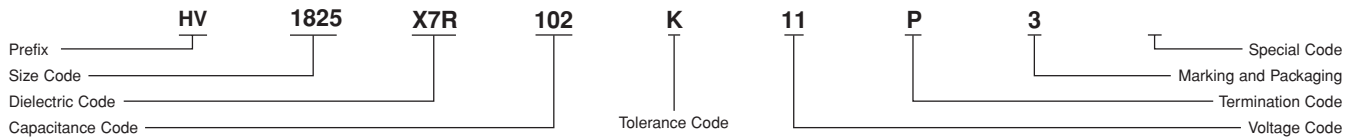
HIGH VOLTAGE "HV" CAPACITORS (cont.)

HV

SIZE	L inches (mm)	W inches (mm)	THICKNESS MAX. (T) inches (mm)	METALIZATION BAND (M.B.) inches (mm)	WVDC	DIELECTRIC	
						NPO	X7R
4040	0.400 (10.16) ± 0.028 (0.71)	0.400 (10.16) ± 0.028 (0.71)	0.150 (3.81)	0.020 (0.51) ± 0.010 (0.25)	500 V	0.047 µF	0.47 µF
					1000 V	0.022 µF	0.12 µF
					2000 V	5600 pF	0.027 µF
					3000 V	2200 pF	0.012 µF
					4000 V	1000 pF	5600 pF
4540	0.450 (11.43) ± 0.032 (0.81)	0.400 (10.16) ± 0.028 (0.71)	0.150 (3.81)	0.020 (0.51) ± 0.010 (0.25)	500 V	0.068 µF	0.68 µF
					1000 V	0.027 µF	0.15 µF
					2000 V	6800 pF	0.039 µF
					3000 V	2700 pF	0.015 µF
					4000 V	1200 pF	6800 pF
4838	0.470 (11.94) ± 0.020 (0.51)	0.430 (10.92) max.	0.220 (5.59)	0.020 (0.51) ± 0.010 (0.25)	500 V	0.056 µF	0.47 µF
					1000 V	0.033 µF	0.15 µF
					2000 V	5600 pF	0.027 µF
					3000 V	3900 pF	0.012 µF
					4000 V	1000 pF	4700 pF
5848	0.570 (14.48) ± 0.020 (0.51)	0.530 (13.46) max.	0.220 (5.59)	0.020 (0.51) ± 0.010 (0.25)	500 V	0.1 µF	0.68 µF
					1000 V	0.047 µF	0.22 µF
					2000 V	0.01 µF	0.047 µF
					3000 V	6800 pF	0.022 µF
					4000 V	1800 pF	8200 pF
6860	0.670 (17.02) ± 0.020 (0.51)	0.650 (16.51) max.	0.220 (5.59)	0.020 (0.51) ± 0.010 (0.25)	500 V	0.15 µF	1.0 µF
					1000 V	0.068 µF	0.33 µF
					2000 V	0.015 µF	0.068 µF
					3000 V	0.01 µF	0.033 µF
					4000 V	2700 pF	0.012 µF
6860	0.670 (17.02) ± 0.020 (0.51)	0.650 (16.51) max.	0.220 (5.59)	0.020 (0.51) ± 0.010 (0.25)	5000 V	2200 pF	8200 pF

HOW TO ORDER

EXAMPLE: HV1825X7R102K11P3



OTHER AVAILABLE SIZES

Chart below shows additional sizes available from factory

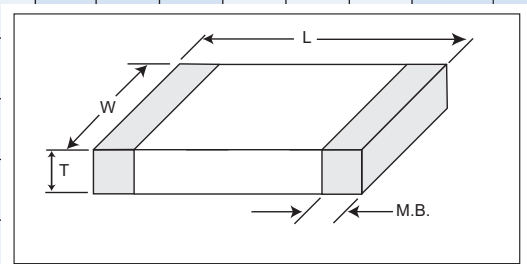
SIZE	L inches (mm)	W inches (mm)	THICKNESS MAX. (T) inches (mm)	DIELECTRIC							
				NPO		BX		X7R		Y5V	
				50V	25V	50V	25V	50V	25V	50V	25V
0704	0.070 (1.78)	0.040 (1.02)	0.040 (1.02)	680 pF	820 pF	6800 pF	0.012 µF	0.018 µF	0.022 µF	0.027 µF	0.039 µF
0905	0.100 (2.54)	0.050 (1.27)	0.050 (1.27)	1800 pF	2200 pF	0.018 µF	0.033 µF	0.047 µF	0.068 µF	0.12 µF	0.18 µF
0907	0.090 (2.29)	0.070 (1.78)	0.050 (1.27)	2700 pF	3300 pF	0.068 µF	0.10 µF	0.10 µF	0.12 µF	0.22 µF	0.27 µF
1505	0.150 (3.81)	0.050 (1.27)	0.050 (1.27)	3300 pF	3900 pF	0.047 µF	0.082 µF	0.10 µF	0.12 µF	0.22 µF	0.27 µF
1706	0.170 (4.32)	0.065 (1.65)	0.065 (1.65)	4700 pF	8200 pF	0.10 µF	0.15 µF	0.18 µF	0.22 µF	0.47 µF	0.68 µF
1808	0.180 (4.57)	0.080 (2.03)	0.065 (1.65)	0.010 µF	0.012 µF	0.15 µF	0.22 µF	0.33 µF	0.39 µF	1.0 µF	1.2 µF
2018	0.197 (5.00)	0.180 (4.57)	0.080 (2.03)	0.027 µF	0.033 µF	0.47 µF	0.56 µF	0.56 µF	0.68 µF	2.2 µF	2.7 µF
2321	0.225 (5.72)	0.210 (5.33)	0.070 (1.78)	0.047 µF	0.056 µF	0.68 µF	0.82 µF	0.82 µF	1.0 µF	2.7 µF	3.3 µF
2708	0.270 (6.85)	0.080 (2.03)	0.070 (1.78)	0.010 µF	0.012 µF	0.22 µF	0.27 µF	0.39 µF	0.47 µF	1.2 µF	1.5 µF
2725	0.270 (6.85)	0.250 (6.35)	0.055 (1.40)	0.05 µF	0.060 µF			2.0 µF	2.2 µF		
3439	0.340 (8.64)	0.390 (9.91)	0.060 (1.52)	0.082 µF	0.100 µF			3.3 µF	3.9 µF		
3736	0.370 (9.40)	0.360 (9.14)	0.060 (1.52)	0.100 µF	0.120 µF			4.0 µF	4.7 µF		
3941	0.390 (9.91)	0.410 (10.41)	0.060 (1.52)	0.150 µF	0.180 µF			6.0 µF	6.8 µF		
4036	0.400 (10.16)	0.360 (9.14)	0.060 (1.52)	0.120 µF	0.150 µF			5.0 µF	5.6 µF		
4540	0.450 (11.43)	0.400 (10.16)	0.060 (1.52)	0.180 µF	0.200 µF			6.8 µF	7.8 µF		
5595	0.550 (13.97)	0.950 (24.13)	0.070 (1.78)	0.270 µF	0.300 µF			10.0 µF	12.0 µF		
5930	0.585 (14.86)	0.298 (7.57)	0.070 (1.78)	0.150 µF	0.180 µF			6.0 µF	6.8 µF		



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SIZE	CDR01			CDR02			CDR03			CDR04			CDR05			CDR06		
L inch (mm)	0.080 (2.03)			0.180 (4.57)			0.180 (4.57)			0.180 (4.57)			0.180 (4.57)			0.225 (5.72)		
W inch (mm)	0.050 (1.27)			0.050 (1.27)			0.080 (2.03)			0.125 (3.18)			0.250 (6.35)			0.250 (6.35)		
T MAX. inch (mm)	0.055 (1.40)			0.055 (1.40)			0.080 (2.03)			0.080 (2.03)			0.080 (2.03)			0.080 (2.03)		
M.B. inch (mm)	0.020 (0.51)			0.020 (0.51)			0.020 (0.51)			0.020 (0.51)			0.020 (0.51)			0.020 (0.51)		
DIELECTRIC	BP	BX	BX	BP	BX	BX	BP	BX	BX	BP	BX	BX	BP	BX	BX	BP	BX	
WVDC	100	100	50	100	100	50	100	100	50	100	100	50	100	100	50	100	50	
PF/MF	CODE																	
10	100																	
12	120																	
15	150																	
18	180																	
22	220																	
27	270																	
33	330																	
39	390																	
47	470																	
56	560																	
68	680																	
82	820																	
100	101																	
120	121																	
150	151																	
180	181																	
220	221																	
270	271																	
330	331																	
390	391																	
470	471																	
560	561																	
680	681																	
820	821																	
1000	102																	
1200	122																	
1500	152																	
1800	182																	
2200	222																	
2700	272																	
3300	332																	
3900	392																	
4700	472																	
5600	562																	
6800	682																	
8200	822																	
0.010	103																	
0.012	123																	
0.015	153																	
0.018	183																	
0.022	223																	
0.027	273																	
0.033	333																	
0.039	393																	
0.047	473																	
0.056	563																	
0.068	683																	
0.082	823																	
0.10	104																	
0.12	124																	
0.15	154																	
0.18	184																	
0.22	224																	
0.27	274																	
0.33	334																	
0.39	394																	
0.47	474																	



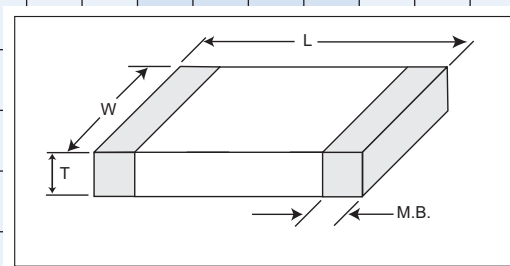
NOTES:

- See Page 3 "HOW TO ORDER A MILITARY PART."
- Consult factory for current qualification status.



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SIZE	CDR31				CDR32				CDR33				CDR34				CDR35			
L inch (mm)	0.079 (2.00)				0.126 (3.20)				0.126 (3.20)				0.177 (4.50)				0.177 (4.50)			
W inch (mm)	0.049 (1.25)				0.063 (1.60)				0.098 (2.50)				0.126 (3.20)				0.252 (6.40)			
T MAX. inch (mm)	0.051 (1.30)				0.051 (1.30)				0.059 (1.50)				0.059 (1.50)				0.059 (1.50)			
M.B. inch (mm)	0.020 (0.51)				0.020 (0.51)				0.020 (0.51)				0.020 (0.51)				0.020 (0.51)			
DIELECTRIC	BP	BP	BX	BX	BP	BP	BX	BX	BP	BP	BX	BX	BP	BP	BX	BX	BP	BP	BX	BX
WVDC	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50
PF/MF	CODE																			
10	100																			
12	120																			
15	150																			
18	180																			
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6800	682																			
8200	822																			
0.010	103																			
0.012	123																			
0.015	153																			
0.018	183																			
0.022	223																			
0.027	273																			
0.033	333																			
0.039	393																			
0.047	473																			
0.056	563																			
0.068	683																			
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0.47	474																			

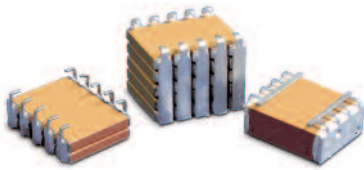


NOTES:

- See Page 3 "HOW TO ORDER A MILITARY PART."
- Consult factory for current qualification status.



PRESIDIO CUSTOM PRODUCTS



CUSTOM LEADS

PRESIDIO COMPONENTS, INC. maintains more than 70 million standard commercial and military parts in inventory. If you need a custom product, call our engineering team.

Custom products include non-standard part sizes and voltages such as high voltage, high temperature, high "Q", custom leads, cryogenic ceramics, negative and positive temperature characteristic ceramics, and piezoelectric formulations. European sizes are also available.

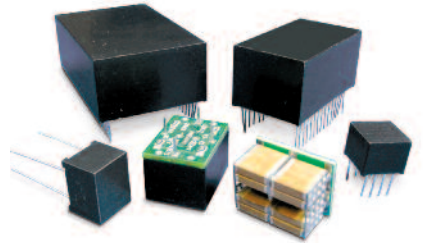
Backed with numerous patents and hundreds of years of combined experience, Presidio's engineering team is ready and able to create the ideal solution for any application.



'S' LEADS



**CUSTOM STACKED
CUSTOM ASSEMBLY**



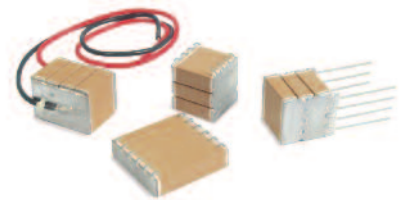
ENCAPSULATED



**HIGH TEMP
DOWNHOLE OIL**

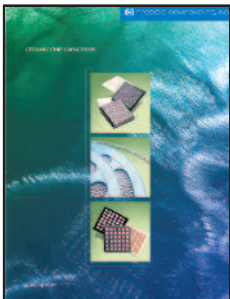


**POWER-STACK™
CAPACITORS**



**HIGH FREQUENCY
HIGH POWER**

MAIN PRODUCT CATALOGS



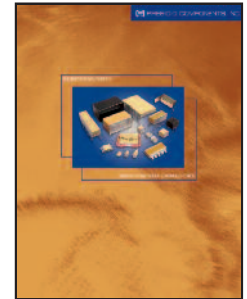
**CERAMIC CHIP
CAPACITORS**



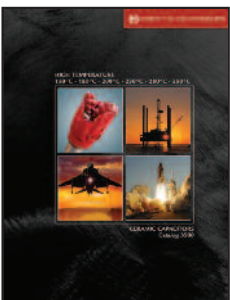
**HIGH RELIABILITY
EXTENDED RANGE
CHIPS FOR SPACE**



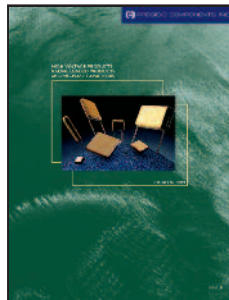
**SMPS STACKED
CAPACITORS**



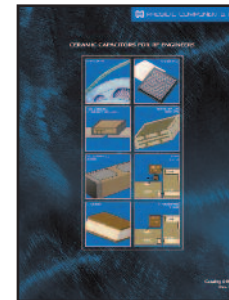
**EUROPEAN SIZES
SMPS STACKED
CAPACITORS**



**HIGH TEMPERATURE
CERAMIC
CAPACITORS**



**HIGH VOLTAGE &
RADIAL LEADED PRODUCTS
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