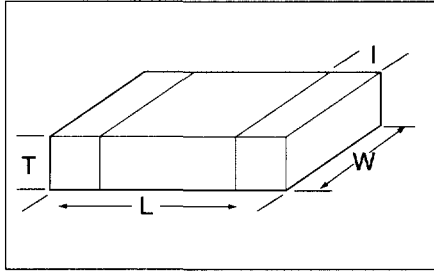


High Voltage Chips

For 500V to 5000V Applications



HOW TO ORDER

1808 A A 271 K A 1 1 A

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

- ① **AVX Style:** 1206, 1210, 1808, 1812, 1825, 2220, 2225, 3640
- ② **Voltage:** 500V=7, 600V=C, 1000V=A, 1500V=S, 2000V=G, 2500V=W, 3000V=H, 4000V=J, 5000V=K
- ③ **Temperature Coefficient:** C0G=A, X7R=C
- ④ **Capacitance Code**
- ⑤ **Capacitance Tolerance:**

C0G: J = ±5% X7R: K = ±10%
 K = ±10% M = ±20%
 M = ±20% Z = +80%
 -20%

- ⑥ **Failure Rate:** A = Not Applicable
- ⑦ **Termination:** 1 = Pd/Ag, T = Plated Nickel and Solder

- ⑧ **Packaging:**
- 1 = 7" Reel/Unmarked
- 3 = 13" Reel/Unmarked
- 9 = Bulk/Unmarked

- ⑨ **Special Code:** A = Standard

Standard Packaging

	BULK	TAPE & REEL	
		7"	13"
1206	5,000	4,000	10,000
1210	5,000	4,000	10,000
1808	500	2,000	4,000
1812	500	1,000	3,000
1825	500	1,000	3,000
2225	500	1,000	3,000
3640	100	N/A	1,000

Dimensions: millimeters (inches)

SIZE	1206	1210	1808	1812	1825	2220	2225	3640
(L) Length	3.20 ± 0.20 (0.126 ± 0.008)	3.20 ± 0.20 (0.126 ± 0.008)	4.57 ± .254 (0.180 ± 0.010)	4.50 ± .030 (0.177 ± 0.012)	4.50 ± 0.30 (0.177 ± 0.012)	5.72 ± 0.40 (0.225 ± 0.016)	5.72 ± .254 (0.225 ± 0.010)	9.14 ± .254 (0.360 ± 0.010)
(W) Width	1.60 ± 0.20 (0.063 ± 0.008)	2.50 ± 0.20 (0.098 ± 0.008)	2.03 ± .254 (0.080 ± 0.010)	3.20 ± 0.20 (0.126 ± 0.008)	6.40 ± 0.30 (0.252 ± 0.012)	5.00 ± 0.40 (0.197 ± 0.016)	6.35 ± .254 (0.250 ± 0.010)	10.2 ± .254 (0.400 ± 0.010)
(T) Thickness max.	1.52 (0.060)	1.70 (0.067)	2.03 (0.080)	2.54 (0.100)	2.54 (0.100)	3.30 (0.130)	2.54 (0.100)	2.54 (0.100)
(t) terminal min. max.	.254 (0.010) .762 (0.030)	.254 (0.010) .762 (0.030)	.254 (0.010) 1.02 (0.040)	.254 (0.010) 1.02 (0.040)	.254 (0.010) 1.02 (0.040)	.254 (0.010) 1.00 (0.039)	.254 (0.010) 1.02 (0.040)	.762 (0.030) 1.52 (0.060)

High Voltage C0G

VOLTAGE	1206	1210	1808	1812	1825	2220	2225	3640
500/600	680 pF	1500 pF	2700 pF	5600 pF	0.012 µF	0.012 µF	0.015 µF	0.047 µF
1000	470 pF	820 pF	1500 pF	2700 pF	6800 pF	0.010 µF	0.010 µF	0.018 µF
1500	150 pF	330 pF	470 pF	1000 pF	2700 pF	2700 pF	3300 pF	8200 pF
2000	68 pF	150 pF	270 pF	680 pF	1800 pF	2200 pF	2200 pF	5600 pF
2500	—	—	150 pF	390 pF	1000 pF	1000 pF	1200 pF	3900 pF
3000	—	—	100 pF	300 pF	680 pF	680 pF	820 pF	2200 pF
4000	—	—	—	—	—	—	—	1000 pF
5000	—	—	—	—	—	—	—	680 pF

High Voltage X7R

VOLTAGE	1206	1210	1808	1812	1825	2220	2225	3640
500/600	0.015 µF	0.027 µF	0.033 µF	0.068 µF	0.015 µF	0.15 µF	0.22 µF	0.56 µF
1000	4700 pF	0.010 µF	0.015 µF	0.027 µF	0.068 µF	0.068 µF	0.082 µF	0.22 µF
1500	1200 pF	2700 pF	3900 pF	8200 pF	0.018 µF	0.022 µF	0.027 µF	0.068 µF
2000	470 pF	1000 pF	1800 pF	4700 pF	8200 pF	0.010 µF	0.012 µF	0.027 µF
2500	—	—	1200 pF	2200 pF	5600 pF	6800 pF	8200 pF	0.022 µF
3000	—	—	560 pF	1200 pF	2700 pF	3300 µF	4700 pF	0.018 µF
4000	—	—	—	—	—	—	—	6800 pF
5000	—	—	—	—	—	—	—	3300 pF

Additional information on this product is available from AVX's catalog or AVX's FAX Service. Call 1-800-879-1613 and request document #055. Visit our website <http://www.avxcorp.com>

