

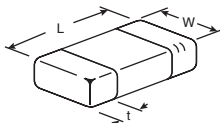
AVX 0805, 1206, 1210 - Multilayer Ceramic Chip Capacitors

Application Note:

A higher voltage capacitor may be used in a lower voltage application. Also available in various voltages, tolerances, sizes, and temperature coefficients.

Features:

- Temperature coefficient: COG (NP0) -55°C to +125°C
X7R -55°C to +125°C
X5R -55°C to +85°C
Y5V -30°C to +85°C
- Preferred tolerances: ±5%, 10%, 20%



DIMENSIONS: mm (in.)

Size	0805	1206	1210
(L) Length	2.01 ± 0.20 (.079 ± .008)	3.20 ± 0.20 (.126 ± .008)	3.20 ± 0.20 (.126 ± .008)
(W) Width	1.25 ± 0.20 (.049 ± .008)	1.60 ± 0.20 (.063 ± .008)	2.50 ± 0.20 (.098 ± .008)
(t) Thermal	0.50 ± 0.25 (.020 ± .010)	0.50 ± 0.25 (.020 ± .010)	0.50 ± 0.25 (.020 ± .010)

Style 0805 (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Temp. Coef.	Value (pF)	Volt	Tol. ±	Price Each			Reel Qty	Price Per Piece
						1	100	1000		
581-0805C223K	0805C223KAT2A	X7R	0.22µF	100	10%	.11	.065	.033	4000	.03
581-0805C223K	0805C223KAT2A	X7R	0.22µF	200	10%	.34	.27	.11	2000	.07
581-0805C333K	0805C333KAT2A	X7R	0.33µF	50	10%	.19	.051	.027	4000	.025
581-0805C393J	0805C393JAT2A	X7R	0.39µF	50	5%	.36	.23	.17	4000	.063
581-0805C393K	0805C393KAT2A	X7R	0.39µF	50	10%	.11	.065	.033	4000	.03
581-0805C473J	0805C473JAT2A	X7R	0.47µF	25	5%	.36	.23	.17	4000	.063
581-0805C473K	0805C473KAT2A	X7R	0.47µF	25	10%	.11	.065	.033	4000	.03
581-0805C473K	0805C473JAT2A	X7R	0.47µF	50	5%	.36	.23	.17	4000	.063
581-0805C473K	0805C473KAT2A	X7R	0.47µF	50	10%	.12	.036	.013	4000	.013
581-0805C683K	0805C683KAT2A	X7R	0.68µF	50	10%	.11	.065	.033	4000	.03
581-0805E103M	0805E103MAT2A	Z5U	0.01µF	50	20%	.50	.29	.117	4000	.06

Style 1206 (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Temp. Coef.	Value (pF)	Volt	Tol. ±	Price Each			Reel Qty	Price Per Piece
						1	100	1000		
581-1206A4R7C	1206A4R7CAT2A	COG	4.7	50	25pF	.35	.208	.083	4000	.058
581-1206A5R6D	1206A5R6DAT2A	COG	5.6	50	5pF	.28	.149	.052	4000	.04
581-1206A100J	1206A100JAT2A	COG	10	50	5%	.25	.162	.065	4000	.045
581-1206A100J	1206A100JAT2A	COG	10	100	5%	.25	.162	.065	4000	.045
581-1206A150J	1206A150JAT2A	COG	15	50	5%	.34	.12	.081	4000	.043
581-1206A180J	1206A180JAT2A	COG	18	100	5%	.25	.162	.065	4000	.045
581-1206A220J	1206A220JAT2A	COG	22	100	5%	.25	.162	.065	4000	.045
581-1206A220J	1206A220JAT2A	COG	22	200	5%	.50	.243	.12	4000	.09
581-1206A270J	1206A270JAT2A	COG	27	100	5%	.25	.162	.065	4000	.045
581-1206A330J	1206A330JAT2A	COG	33	50	5%	.25	.162	.065	4000	.045
581-1206A330J	1206A330JAT2A	COG	33	100	5%	.25	.162	.065	4000	.045
581-1206A330J	1206A330KAT2A	COG	33	100	10%	.25	.162	.065	4000	.045
581-1206A470J	1206A470JAT2A	COG	47	50	5%	.25	.162	.065	4000	.045
581-1206A470J	1206A470JAT2A	COG	47	100	5%	.25	.162	.065	4000	.045
581-1206A560J	1206A560JAT2A	COG	56	50	5%	.34	.12	.081	4000	.043
581-1206A680J	1206A680JAT2A	COG	68	50	5%	.34	.12	.081	4000	.043
581-1206A101J	1206A101JAT2A	COG	100	50	5%	.25	.162	.065	4000	.045
581-1206A101J	1206A101JAT2A	COG	100	100	5%	.25	.162	.065	4000	.045
581-1206A101K	1206A101KAT2A	COG	100	100	10%	.25	.162	.065	4000	.045
581-1206A101J	1206A101JAT2A	COG	100	200	5%	.50	.243	.12	4000	.09
581-1206A101J	1206A101JAT2A	COG	100	500	5%	.60	.45	.216	4000	.18
581-1206A121J	1206A121JAT2A	COG	120	50	5%	.41	.30	.121	4000	.084
581-1206A121J	1206A121JAT2A	COG	120	100	5%	.25	.162	.065	4000	.045
581-1206A151J	1206A151JAT2A	COG	150	50	5%	.41	.30	.121	4000	.084
581-1206A151J	1206A151JAT2A	COG	150	100	5%	.25	.162	.065	4000	.045
581-1206A151J	1206A151JAT2A	COG	150	200	5%	.34	.14	.098	4000	.05
581-1206A181J	1206A181JAT2A	COG	180	50	5%	.41	.30	.121	4000	.084
581-1206A221J	1206A221JAT2A	COG	220	50	5%	.25	.162	.065	4000	.045
581-1206A221K	1206A221KAT2A	COG	220	100	10%	.25	.162	.065	4000	.045
581-1206A331J	1206A331JAT2A	COG	330	50	5%	.25	.162	.065	4000	.045
581-1206A331J	1206A331JAT2A	COG	330	100	5%	.25	.162	.065	4000	.045
581-1206A331J	1206A331JAT2A	COG	330	500	5%	.60	.39	.212	2000	.20
581-1206A471J	1206A471JAT2A	COG	470	50	5%	.39	.30	.121	4000	.077
581-1206A471J	1206A471JAT2A	COG	470	100	5%	.39	.30	.121	4000	.077
581-1206A471K	1206A471KAT2A	COG	470	100	10%	.22	.13	.095	4000	.06
581-1206A471J	1206A471JAT2A	COG	470	500	5%	.79	.52	.32	2000	.20
581-1206A681J	1206A681JAT2A	COG	680	50	5%	.41	.30	.121	4000	.084
581-1206A681J	1206A681JAT2A	COG	680	100	5%	.39	.30	.121	4000	.077
581-1206A102J	1206A102JAT2A	COG	1000	50	5%	.39	.30	.121	4000	.077
581-1206A102J	1206A102JAT2A	COG	1000	100	5%	.39	.30	.121	4000	.077
581-1206A102J	1206A102JAT2A	COG	1000	200	5%	.34	.27	.11	2000	.077
581-1206A152J	1206A152JAT2A	COG	1500	100	5%	.59	.39	.156	2000	.108
581-1206A272J	1206A272JAT2A	COG	2700	50	5%	.43	.29	.117	2000	.08
581-1206A332J	1206A332JAT2A	COG	3300	50	5%	.58	.35	.138	2000	.096
581-1206C102J	1206C102JAT2A	X7R	1000	50	5%	.31	.22	.124	4000	.062
581-1206C102K	1206C102KAT2A	X7R	1000	50	10%	.10	.039	.021	4000	.02
581-1206C102K	1206C102KAT2A	X7R	1000	100	10%	.25	.163	.074	4000	.052
581-1206C152K	1206C152KAT2A	X7R	1500	100	10%	.21	.12	.051	4000	.041
581-1206C152K	1206C152KAT2A	X7R	1500	500	10%	.60	.39	.212	2000	.20
581-1206C222K	1206C222KAT2A	X7R	2200	50	10%	.28	.178	.071	4000	.05
581-1206C222K	1206C222KAT2A	X7R	2200	100	10%	.25	.163	.074	4000	.052
581-1206C332K	1206C332KAT2A	X7R	3300	100	10%	.25	.163	.074	4000	.052
581-1206C472K	1206C472KAT2A	X7R	4700	50	10%	.25	.163	.074	4000	.052
581-1206C472K	1206C472KAT2A	X7R	4700	100	10%	.25	.163	.074	4000	.052
581-1206C472K	1206C472KAT2A	X7R	4700	500	10%	1.10	.81	.26	2000	.18
581-1206C103J	1206C103JAT2A	X7R	0.1µF	50	5%	.32	.201	.08	4000	.05
581-1206C103J	1206C103JAT2A	X7R	0.1µF	50	10%	.17	.104	.041	4000	.029
581-1206C103J	1206C103JAT2A	X7R	0.1µF	100	5%	.32	.201	.08	4000	.05
581-1206C103K	1206C103KAT2A	X7R	0.1µF	100	10%	.25	.163	.074	4000	.052
581-1206C2103J	1206C2103JAT2A	X7R	0.1µF	200	5%	.46	.25	.098	4000	.068
581-1206C2103K	1206C2103KAT2A	X7R	0.1µF	200	10%	.22	.13	.052	4000	.049
581-1206C103K	1206C103KAT2A	X7R	0.1µF	500	10%	1.60	1.30	.52	2000	.32
581-1206C223K	1206C223KAT2A	X7R	0.22µF	50	10%	.21	.12	.051	4000	.041
581-1206C223K	1206C223JAT2A	X7R	0.22µF	100	5%	.32	.201	.08	4000	.05
581-1206C223K	1206C223KAT2A	X7R	0.22µF	100	10%	.25	.163	.074	4000	.052

Style 1210

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Temp. Coef.	Value (pF)	Volt	Tol. ±	Price Each			Reel Qty	Price Per Piece
						1	100	1000		
581-1210A471J	1210A471JAT2A	COG	470	100	5%	.22	.16	.091	4000	.063
581-1210A471J	1210A471JAT2A	COG	470	500	5%	1.90	1.17	.46	2000	.41
581-1210A681J	1210A681JAT2A	COG	680	50	5%	.22	.16	.091	4000	.063
581-1210A102K	1210A102KAT2A	COG	1000	200	10%	.75	.65	.26	4000	.17
581-1210A102K	1210A102KAT2A	COG	1000	500	10%	1.60	1.30	.52	2000	.32
581-1210A122K	1210A122KAT2A	COG	1200	200	10%	.40	.30	.18	4000	.14
581-1210A152F	1210A152FAT2A	COG	1500	200	1%	4.50	3.18	1.27	2000	.88
581-1210A222F	1210A222FAT2A	COG	2200	100	1%	1.77	1.43	.57	4000	.33
581-1210A332J	1210A332JAT2A	COG	3300	50	5%	.71	.42	.16	4000	.117
581-1210C7102K	1210C7102KAT2A	X7R	1000	500	10%	.63	.43	.26	4000	.21
581-1210C562K	1210C562KAT2A	X7R	5600	500	10%	.60	.39	.212	2000	.189
581-1210C103K	1210C103KAT2A	X7R	0.01µF	100	10%	.40	.33	.13	4000	.09
581-1210C103K	1210C103KAT2A	X7R	0.01µF	200	10%	.93	.55	.26	4000	.17
581-1210C103K	1210C103KAT2A	X7R	0.01µF	500	10%	1.70	1.04	.41	4000	.224
581-1210C123K	1210C123KAT2A	X7R	0.012µF	500	10%	.90	.61	.234	2000	.21
581-1210C153K	1210C153KAT2A	X7R	0.015µF	500	10%	1.84	1.61	.92	2000	.36
581-1210C183K	1210C183KAT2A	X7R	0.018µF	500	10%	2.53	1.49	.41	4000	.32
581-1210C273K	1210C273KAT2A	X7R	0.027µF	600	10%	.63	.54	.44	2000	.40
581-1210C473K	1210C473KAT2A	X7R	0.047µF	200	10%	.63	.48	.26	4000	.18
581-1210C563K	1210C563KAT2A	X7R	0.056µF	100	10%	.40	.33	.13	4000	