

AVX 0603, 0805 - 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.

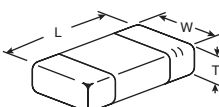
Features:

- Temperature coefficient: C0G (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%



RoHS Compliant



DIMENSIONS: mm (in.)

Size	0603	0805
(L) Length	1.60 ± .15 (.063 ± .006)	2.01 ± .20 (.079 ± .008)
(W) Width	.81 ± .15 (.032 ± .006)	1.25 ± .20 (.049 ± .008)
(T) Thickness	.35 ± .15 (.014 ± .006)	.50 ± .25 (.020 ± .010)

Style 0603 (Cont.)

MOUSER STOCK NO.	AVX Part No.	Temp. Coef.	Value (pF)	Volt	Tol. ±	Price Each				Reel Qty	Price Per Piece
						1	100	1000	4000		
581-06035A681J	06035A681JAT2A	C0G	680	50	5%	.17	.065	.046	.036		
581-06035A681K	06035A681KAT2A	C0G	680	50	10%	.27	.13	.052	.036		
581-06033A102K	06033A102KAT2A	C0G	1000	25	10%	.35	.208	.083	.058		
581-06035C101K	06035C101KAT2A	X7R	100	50	10%	.19	.123	.049	.034		
581-0603C101K	0603C101KAT2A	X7R	100	100	10%	.19	.123	.049	.034		
581-06035C221K	06035C221KAT2A	X7R	220	50	10%	.19	.123	.049	.034		
581-06035C331K	06035C331KAT2A	X7R	330	50	10%	.19	.123	.049	.034		
581-06035C471K	06035C471KAT2A	X7R	470	50	10%	.10	.046	.04	.034		
581-06035C561J	06035C561JAT2A	X7R	560	50	5%	.27	.14	.07	.05		
581-06035C561K	06035C561KAT2A	X7R	560	50	10%	.19	.123	.049	.034		
581-06035C681K	06035C681KAT2A	X7R	680	50	10%	.19	.123	.049	.034		
581-0603C821K	0603C821KAT2A	X7R	820	100	10%	.19	.123	.049	.034		
581-0603ZC102K	0603ZC102KAT2A	X7R	1000	10	10%	.19	.123	.049	.034		
581-06035C102J	06035C102JAT2A	X7R	1000	50	5%	.25	.055	.021	.015		
581-06035C102K	06035C102KAT2A	X7R	1000	50	10%	.06	.009	.005	.004		
581-0603C102J	0603C102JAT2A	X7R	1000	100	5%	.27	.14	.07	.044		
581-0603C102K	0603C102KAT2A	X7R	1000	100	10%	.08	.038	.021	.016		
581-06035C152K	06035C152KAT2A	X7R	1500	50	10%	.25	.055	.021	.015		
581-06033C182K	06033C182KAT2A	X7R	1800	25	10%	.19	.123	.049	.034		
581-06035C222J	06035C222JAT2A	X7R	2200	50	5%	.27	.14	.07	.044		
581-06035C222K	06035C222KAT2A	X7R	2200	50	10%	.25	.055	.021	.015		
581-0603C222K	0603C222KAT2A	X7R	2200	100	10%	.10	.046	.04	.034		
581-06035C332K	06035C332KAT2A	X7R	3300	50	10%	.25	.055	.021	.015		
581-0603C332K	0603C332KAT2A	X7R	3300	100	10%	.19	.123	.049	.034		
581-0603Y392K	0603Y392KAT2A	X7R	3900	16	10%	.19	.123	.049	.034		
581-06033C472K	06033C472KAT2A	X7R	4700	25	10%	.19	.123	.049	.034		
581-06035C472K	06035C472KAT2A	X7R	4700	50	10%	.25	.055	.021	.015		
581-0603C472K	0603C472KAT2A	X7R	4700	100	10%	.19	.123	.049	.034		
581-06035C562J	06035C562JAT2A	X7R	5600	50	5%	.27	.14	.07	.05		
581-06035C682K	06035C682KAT2A	X7R	6800	50	10%	.25	.055	.021	.015		
581-06033C153J	06033C153JAT2A	X7R	015µF	25	5%	.35	.28	.09	.065		
581-06035C153K	06035C153KAT2A	X7R	015µF	50	10%	.25	.055	.021	.015		
581-0603ZC103K	0603ZC103KAT2A	X7R	01µF	10	10%	.19	.123	.049	.034		
581-0603Y103K	0603Y103KAT2A	X7R	01µF	16	10%	.19	.123	.049	.034		
581-06033C103M	06033C103MAT2A	X7R	01µF	25	20%	.18	.13	.054	.05		
581-06035C103J	06035C103JAT2A	X7R	01µF	50	5%	.25	.055	.021	.015		
581-06035C103K	06035C103KAT2A	X7R	01µF	50	10%	.06	.014	.007	.006		
581-06035C103M	06035C103MAT2A	X7R	01µF	50	20%	.18	.035	.028	.025		
581-0603C103K	0603C103KAT2A	X7R	01µF	100	10%	.34	.14	.098	.05		
581-06033C223J	06033C223JAT2A	X7R	022µF	25	5%	.35	.28	.09	.065		
581-06033C223K	06033C223KAT2A	X7R	022µF	25	10%	.10	.039	.021	.02		
581-06035C223K	06035C223KAT2A	X7R	022µF	50	10%	.08	.038	.021	.016		
581-06033C273J	06033C273JAT2A	X7R	027µF	25	5%	.35	.28	.09	.065		
581-06033C273K	06033C273KAT2A	X7R	027µF	25	10%	.26	.12	.052	.05		
581-06035C333J	06035C333JAT2A	X7R	033µF	50	5%	.35	.28	.09	.065		
581-0603Y473K	0603Y473KAT2A	X7R	047µF	16	10%	.19	.045	.024	.023		
581-06033C473J	06033C473JAT2A	X7R	047µF	25	5%	.61	.36	.15	.098		
581-06033C473K	06033C473KAT2A	X7R	047µF	25	10%	.07	.033	.018	.013		
581-0603Y683K	0603Y683KAT2A	X7R	068µF	16	10%	.11	.065	.048	.044		
581-06033E103Z	06033E103ZAT2A	Z5U	01µF	25	80±20	.30	.195	.113	.10		

Style 0805 (Cont.)

MOUSER STOCK NO.	AVX Part No.	Temp. Coef.	Value (pF)	Volt	Tol. ±	Price Each				Reel Qty	Price Per Piece
						1	100	1000	4000		
581-08051A390J	08051A390JAT2A	C0G	39	100	5%	.20	.078	.031	.022	4000	.022
581-08055A430J	08055A430JAT2A	C0G	43	50	5%	.22	.136	.06	.040	4000	.041
581-08055A470J	08055A470JAT2A	C0G	47	50	5%	.12	.036	.013	.010	4000	.013
581-08051A470J	08051A470JAT2A	C0G	47	100	5%	.20	.065	.026	.020	4000	.018
581-08051A510J	08051A510JAT2A	C0G	51	100	5%	.22	.136	.055	.040	4000	.038
581-08055A560J	08055A560JAT2A	C0G	56	50	5%	.12	.036	.013	.010	4000	.013
581-08051A560J	08051A560JAT2A	C0G	56	100	5%	.20	.097	.039	.027	4000	.027
581-08055A680J	08055A680JAT2A	C0G	68	50	5%	.12	.036	.013	.010	4000	.013
581-08051A750J	08051A750JAT2A	C0G	75	100	5%	.22	.105	.054	.040	4000	.038
581-08055A820J	08055A820JAT2A	C0G	82	50	5%	.12	.036	.013	.010	4000	.013
581-08055A820K	08055A820KAT2A	C0G	82	50	10%	.19	.123	.049	.034	4000	.034
581-08055A101J	08055A101JAT2A	C0G	100	50	5%	.08	.04	.023	.020	4000	.018
581-08055A101K	08055A101KAT2A	C0G	100	50	10%	.20	.065	.026	.020	4000	.018
581-08051A101J	08051A101JAT2A	C0G	100	100	5%	.20	.065	.026	.020	4000	.018
581-08051A101K	08051A101KAT2A	C0G	100	100	10%	.20	.065	.026	.020	4000	.018
581-08052A101J	08052A101JAT2A	C0G	100	200	5%	.20	.12	.052	.040	4000	.042
581-08055A121J	08055A121JAT2A	C0G	120	50	5%	.12	.036	.019	.010	4000	.017
581-08055A121K	08055A121KAT2A	C0G	120	50	10%	.19	.123	.049	.034	4000	.034
581-08051A121J	08051A121JAT2A	C0G	120	100	5%	.20	.065	.026	.020	4000	.018
581-08055A151J	08055A151JAT2A	C0G	150	50	5%	.12	.036	.013	.010	4000	.013
581-08051A151J	08051A151JAT2A	C0G	150	100	5%	.20	.065	.026	.020	4000	.018
581-08055A201J	08055A201JAT2A	C0G	200	50	5%	.22	.12	.052	.040	4000	.05
581-08055A221J	08055A221JAT2A	C0G	220	50	5%	.12	.036	.013	.010	4000	.013
581-08051A221J	08051A221JAT2A	C0G	220	100	5%	.10	.078	.031	.027	4000	.027
581-08052A221K	08052A221KAT2A	C0G	220	200	10%	.83	.49	.195	.040	4000	.135
581-08051A271J	08051A271JAT2A	C0G	270	100	5%	.10	.078	.031	.027	4000	.027
581-08051A301J	08051A301JAT2A	C0G	300	100	5%	.22	.12	.052	.040	4000	.05
581-08055A331J	08055A331JAT2A	C0G	330	50	5%	.12	.036	.013	.010	4000	.013
581-08055A331K	08055A331KAT2A	C0G	330	50	10%	.18	.143	.057	.040	4000	.036
581-08051A391J	08051A391JAT2A	C0G	390	100	5%	.10	.078	.031	.027	4000	.027
581-08055A471J	08055A471JAT2A	C0G	470	50	5%	.08	.038	.021	.016	4000	.017
581-08055A471K	08055A471KAT2A	C0G	470	50	10%	.18	.143	.057	.040	4000	.036
581-08051A471J	08051A471JAT2A	C0G	470	100	5%	.10	.078	.031	.027	4000	.027
581-08055A561J	08055A561JAT2A	C0G	560	50	5%	.13	.097	.039	.027	4000	.027
581-08055A681J	08055A681JAT2A	C0G	680	50	5%	.19	.123	.045	.030	4000	.035
581-08055A102J	08055A102JAT2A	C0G	1000	50	5%	.10	.047	.027	.020	4000	.021
581-08055A102K	08055A102KAT2A	C0G	1000	50	10%	.31	.227	.091	.040	4000	.053
581-08051A102J	08051A102JAT2A	C0G	1000	100	5%	.27	.14	.078	.040	4000	.054
581-08055A122J	08055A122JAT2A	C0G	1200	50	5%	.34	.14	.098	.040	4000	.05
581-08053A152J	08053A152JAT2A	C0G	1500	25	5%	.28	.149	.059	.040	4000	.045
581-08055A152J	08055A152JAT2A	C0G	1500	50	5%	.32	.175	.07	.040	4000	.049
581-08055A182J	08055A182JAT2A	C0G	1800	50	5%	.34	.14	.098	.040	4000	.05
581-08053A222J	08053A222JAT2A	C0G	2200	25	5%	.28	.149	.059	.040	4000	.037
581-08055A222J	08055A222JAT2A	C0G	2200	50	5%	.29	.14	.07	.020	4000	.05
581-08055A222K	08055A222KAT2A	C0G	2200	50	10%	.35	.28	.091	.020	4000	.063
581-08053A332J	08053A332JAT2A	C0G	3300	25	5%	.33	.195	.086	.020	4000	.086
581-08051C101K	08051C101KAT2										