

How to Order

Part Number Explanation

Commercial Surface Mount Chips

EXAMPLE: 08055A101JAT2A

0805	5	A	101	J*	A	T	2	A
Size (L" x W")	Voltage	Dielectric	Capacitance	Tolerance	Failure Rate	Terminations	Packaging	Special Code
0201 0402 0603 0805 1206 1210 1812 1825 2220 2225	4 = 4V 6 = 6.3V Z = 10V Y = 16V 3 = 25V D = 35V 5 = 50V 1 = 100V 2 = 200V	A = NP0(C0G) C = X7R D = X5R G = Y5V U = U Series W = X6S Z = X7S	2 Sig. Fig + No. of Zeros Examples: 100 = 10 pF 101 = 100 pF 102 = 1000 pF 223 = 22000 pF 224 = 220000 pF 105 = 1µF 106 = 10µF 107 = 100µF For values below 10 pF, use "R" in place of Decimal point, e.g., 9.1 pF = 9R1.	B = ±.10 pF C = ±.25 pF D = ±.50 pF F = ±1% (≥ 25 pF) G = ±2% (≥ 13 pF) J = ±5% K = ±10% M = ±20% Z = +80%, -20% P = +100%, -0%	A = N/A	T = Plated Ni and Sn 7 = Gold Plated	<u>Available</u> 2 = 7" Reel 4 = 13" Reel 7 = Bulk Cass. 9 = Bulk	A = Std.
	Contact Factory for Special Voltages F = 63V 9 = 300V * = 75V X = 350V E = 150V 8 = 400V V = 250V					Contact Factory For 1 = Pd/Ag Term	Contact Factory For Multiples	
						* B, C & D tolerance for ≤10 pF values. Standard Tape and Reel material (Paper/Embossed) depends upon chip size and thickness. See individual part tables for tape material type for each capacitance value.		

High Voltage Surface Mount Chips

EXAMPLE: 1808AA271KA11A

1808	A	A	271	K	A	1	1A
AVX Style	Voltage	Temperature Coefficient	Capacitance Code	Capacitance Tolerance	Failure Rate	Termination	Packaging/Marking
1206 1210 1808 1812 1825 2220 2225 3640	7 = 500V C = 600V A = 1000V S = 1500V G = 2000V W = 2500V H = 3000V J = 4000V K = 5000V	A = C0G C = X7R	(2 significant digits + no. of zeros) Examples: 10 pF = 100 100 pF = 101 1,000 pF = 102 22,000 pF = 223 220,000 pF = 224 1 µF = 105	C0G: J = ±5% K = ±10% M = ±20% X7R: K = ±10% M = ±20% Z = +80%, -20%	A=Not Applicable	1 = Pd/Ag T = Plated Ni and Sn	1A = 7" Reel Unmarked 3A = 13" Reel Unmarked 9A = Bulk/Unmarked

Ultra Thin Surface Mount Chips

EXAMPLE: UT023C223MAT2A

UT	02	3	C	223	M	A	T	2	A
Style	Case Size	Voltage	Dielectric	Capacitance Code (In pF)	Capacitance Tolerance	Std.	Term	Packaging Code	Terminations Code (max.)
Ultrathin	01 = 0603 02 = 0805 03 = 1206	Y = 16Vdc 3 = 25Vdc 5 = 50Vdc	A = C0G C = X7R	2 Sig Digits + Number of Zeros			T = Plated Ni and Sn	2 = 7" reel	A = 0.50mm (0.020) B = 0.40mm (0.016) C = 0.35mm (0.014)

Please handle these products with due care as they are inherently more fragile than standard MLC capacitors because of their physical dimensions.

Mouser Electronics

Authorized Distributor

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AVX:

[1206ZC225KAJ2A](#) [1812VC104MAT2A](#) [36401C225KAT9A](#) [04025C471KAQ2A](#) [04025C821KAJ2A](#)
[0402YC103JAJ2A](#) [0402YC103KAJ2A](#) [0402YC153KAJ2A](#) [0402YC182JAJ2A](#) [0402YC472JAJ2A](#) [0402ZC333KAJ2A](#)
[0402ZC393JAJ2A](#) [06035C103KAJ2A](#) [06035C153KAJ2A](#) [06035C222KAJ2A](#) [0603ZC224KAJ2A](#) [0603YC104KAJ2A](#)
[0201YC102JAJ2A](#) [0201YC151KAQ2A](#) [04025C102KAJ2A](#) [04025C221KAQ2A](#) [04025C222JAJ2A](#) [06031C472JAT9A](#)
[06035C103KA16A](#) [06035C103KA19A](#) [06035C103MA19A](#) [06035C153KAJ4A](#) [06035C223KAJ2A](#) [0603YC104KAT9A](#)
[08052C471KAT9A](#) [08052C561KAT9A](#) [08053C184MAT9A](#) [08055C103KAT9A](#) [08055C103MAT9A](#)
[08055C104KAT9A](#) [06035C222JAJ2A](#) [1206AC101KAJ1A](#) [1206AC220KAJ1A](#) [1206AC562MAJ1A](#) [1206CC102KAJ1A](#)
[1206CC220KAJ1A](#) [1206GC220KAJ1A](#) [1812AC103MAQ1A](#) [18257C473KAT9A](#) [2220VC152KAT1A](#)
[22205C105MAT9A](#) [22205C474KAT9A](#) [0201ZG103KAT2A](#) [0603ZC221MAT9A](#) [06031C221MAT9A](#) [06035C101JAJ2A](#)
[06035C101KAJ2A](#) [06035C181KAJ2A](#) [06035C182KAJ2A](#) [06035C271KAJ2A](#) [06035C272KAJ2A](#) [06035C332KAJ2A](#)
[06035C471KAJ2A](#) [06035C472JAT9A](#) [06035C472KAJ2A](#) [08051C183KAT9A](#) [08051C561KAT9A](#) [08055C151KAT9A](#)
[08055C183KAT9A](#) [08055C561KAT9A](#) [08055G104MAT2A](#) [12063G225MAT2A](#) [12065C105JAT9A](#)
[12101C105KAT9A](#) [12103C474KAT9A](#) [12105C104KAT9A](#) [12107C183KAT9A](#) [18125C104KAT9A](#) [18255C684KAT9A](#)
[1812VC104KAT2A](#) [12102C104KAT9A](#) [12065G104MAT2A](#) [1206AC332KAJ1A](#) [18257C104KAT9A](#)
[3640CC564KAJ9A](#) [0201ZG103MAT2A](#) [08053C105KAT9A](#) [3640SC853KAJ9A](#) [1206ZC155KAT9A](#) [04025C102JAJ2A](#)
[04025C122JAJ2A](#) [04025C182JAJ2A](#) [04025C222KAJ2A](#) [04025C331JAJ2A](#) [04025C681JAJ2A](#) [06033C104KAJ2A](#)
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