

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 1825 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:

[04025C471KAQ2A](#) [04025C821KAJ2A](#) [0402YC103JAJ2A](#) [0402YC103KAJ2A](#) [0402YC153KAJ2A](#) [0402YC182JAJ2A](#)
[0402YC472JAJ2A](#) [0402ZC333KAJ2A](#) [0402ZC393JAJ2A](#) [0201YC102JAJ2A](#) [0201YC151KAQ2A](#) [04025C222JAJ2A](#)
[06035C153KAJ4A](#) [04025C102JAJ2A](#) [04025C122JAJ2A](#) [04025C182JAJ2A](#) [04025C331JAJ2A](#) [04025C681JAJ2A](#)
[06033C104KAJ2A](#) [06035C102KAJ2A](#) [18125C105KAJ4A](#) [06035C104KAJ2A](#) [0402YC103KAQ2A](#) [08055C104KAJ4A](#)
[0402YC102KAJ2A](#) [04025C471KAJ2A](#) [04025C152KAJ2A](#) [04023C103KAJ2A](#) [04023C222KAJ2A](#) [04025C331KAJ2A](#)
[04025C561KAJ2A](#) [04023C152KAJ2A](#) [04023C103KAQ2A](#) [04023C221JAJ2A](#) [0402ZC473KAQ2A](#) [08055C104KAJ2A](#)
[0402YC471KAJ2A](#) [1206YC184JAJ2A](#) [04023C332KAJ2A](#) [0603YC105KAJ2A](#) [04023C102JAJ2A](#) [22252C224KAJ2A](#)
[04025C562KAJ2A](#) [04025C152JAJ2A](#) [04025C472KAJ2A](#) [0402YC101KAJ2A](#) [06033C104KAJ4A](#) [04025C101KAJ2A](#)
[2225HC103KAX9A](#) [2225HC102KAX9A](#) [04023C221KAJ2A](#) [1812CC104KAX9A](#)

Kyocera AVX:

[1812VC104MAT2A](#) [1206AC101KAJ1A](#) [1206AC220KAJ1A](#) [1206AC562MAJ1A](#) [1206CC102KAJ1A](#)
[1206CC220KAJ1A](#) [1206GC220KAJ1A](#) [1812AC103MAQ1A](#) [2220VC152KAT1A](#) [0201ZG103KAT2A](#)
[08055G104MAT2A](#) [12063G225MAT2A](#) [1812VC104KAT2A](#) [12065G104MAT2A](#) [1206AC332KAJ1A](#)
[3640CC564KAJ9A](#) [0201ZG103MAT2A](#) [3640SC853KAJ9A](#) [1206AC472KAJ1A](#) [1206CC103KAJ1A](#) [1206CC153KAJ1A](#)
[1206CC472KAJ1A](#) [1206GC102KAJ1A](#) [3640CC474KAJ9A](#) [1206GC152KAJ9A](#) [0805ZG475MAT2A](#)
[1206YG225MAT2A](#) [1206AC102KAJ1A](#) [06033G104MAT2A](#) [3640CC334KATBA](#) [1206AC100KAJ1A](#)
[1206AC182KAJ1A](#) [1206AC472KAJ9A](#) [1812CC104KAJ9A](#) [1825AC104KAJ9A](#) [1825AC333KAJ9A](#) [1825SC273KAJ9A](#)
[1825SC333KAJ9A](#) [1206AC151KAJ1A](#) [06035G183MAT2A](#) [1206VC104MAT2A](#) [1206VC103KAT2A](#)
[1206VC104KAT2A](#) [1210VC104JAT2A](#) [1812VC394KAT2A](#) [1825AC683KAJ1A](#) [1206DC105MAT2A](#) [1206VC473KAT2A](#)
[1206VC202JAT2A](#) [0805VC272JAT2A](#) [1206VC333KAT2A](#) [1206VC101JAT2A](#) [1825GC562KAJ1A](#)
[1206VC273KAT2A](#) [22258C224MAT1A](#) [0805VC561KAT2A](#) [1206DC104KAT2A](#) [1206VC472KAT2A](#) [1206VC273JAT2A](#)
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[0805VC102KAT2A](#) [0805VC332JAT2A](#) [0805VC682KAT2A](#) [0805DC104MAT2A](#) [0805VC202KAT2A](#)
[0805VC471KAT2A](#) [1206VC223KAT2A](#) [1206VC563JAT2A](#) [1206VC472JAT2A](#) [0805VC392MAT2A](#)
[0805VC561MAT2A](#) [0805VC392KAT2A](#) [0805VC222KAT2A](#) [1206VC153KAT2A](#) [3640HC183KAJ9A](#)
[18129C104KAT1A](#) [3640HC103KAJ9A](#) [1808VC103KAT1A](#) [1812VC224MAT2A](#) [1812VC474KAT2A](#)
[1812QC104KAT2A](#) [1210DC225MAT2A](#) [1210VC472KAT2A](#) [1206VC473MAT2A](#) [1210DC155MAT2A](#)
[1812VC224KAT2A](#) [05045C332JAT6A](#) [2220DC106MAT2A](#) [3640VC105KAT3A](#) [1812VC394KAT4A](#)

06033G104MAT4A 1206YG475MAT4A 1206VC153KAT4A 2225WC103JAJ9A 3640JC472KAJ9A
1210DC106KAT2A