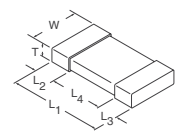


### Surface Mount Ceramic Multilayer Chip Capacitors – 0402, 0603, 0805, 1206, 1812

**Features:** • High capacitance per unit volume • For high frequency applications  
**• NiSn terminations Applications:** • Consumer electronics • Telecommunications  
**• Automotive • Data processing**

Case Size	Dimensions — mm				
	L1	W	L2 and L3		L4 Min.
			Min.	Max.	
0402	1.0	0.5	0.20	0.30	0.40
0603	1.6	0.8	0.20	0.60	0.40
0805	2.0	1.25	0.25	0.75	0.55
1206	3.2	1.6	0.25	0.75	1.40
1812	4.5	3.2	0.25	0.75	2.20



F

Case Size	Type	WV DC	Capacitance	Tolerance	Dim. T Nom. (mm)	Digi-Key Part No.	Cut Tape Pricing			Digi-Key Part No.	Tape and Reel		Yageo Part No.	
							10	100	500		Qty.	Pricing		
0402	NPO	50	.5pF	±0.25pF	0.5	311-1001-1-ND	.43	2.54	7.33	311-1001-2-ND	10,000	7.04/M	CC0402CRNPO9BNR50	
	NPO	50	1.2pF	±0.25pF	0.5	311-1002-1-ND	.49	2.90	8.37	311-1002-2-ND	10,000	8.03/M	CC0402CRNPO9BN1R2	
	NPO	50	1.5pF	±0.25pF	0.5	311-1003-1-ND	.49	2.90	8.37	311-1003-2-ND	10,000	8.03/M	CC0402CRNPO9BN1R5	
	NPO	50	1.8pF	±0.25pF	0.5	311-1004-1-ND	.49	2.90	8.37	311-1004-2-ND	10,000	8.03/M	CC0402CRNPO9BN1R8	
	NPO	50	2.0pF	±0.25pF	0.5	311-1006-1-ND	.43	2.54	7.33	311-1006-2-ND	10,000	7.04/M	CC0402CRNPO9BN2R0	
	NPO	50	2.2pF	±0.25pF	0.5	311-1354-1-ND	.11	.62	1.78	311-1354-2-ND	10,000	1.71/M	CC0402CRNPO9BN2R2	
	NPO	50	2.7pF	±0.25pF	0.5	311-1005-1-ND	.43	2.54	7.33	311-1005-2-ND	10,000	7.04/M	CC0402CRNPO9BN2R7	
	NPO	50	3.0pF	±0.25pF	0.5	311-1007-1-ND	.51	3.05	8.78	311-1007-2-ND	10,000	8.44/M	CC0402CRNPO9BN3R0	
	NPO	50	3.3pF	±0.25pF	0.5	311-1008-1-ND	.43	2.54	7.33	311-1008-2-ND	10,000	7.04/M	CC0402CRNPO9BN3R3	
	NPO	50	4.7pF	±0.25pF	0.5	311-1367-1-ND	.11	.62	1.78	311-1367-2-ND	10,000	1.71/M	CC0402CRNPO9BN4R7	
	NPO	50	5.0pF	±0.25pF	0.5	311-1010-1-ND	.43	2.54	7.33	311-1010-2-ND	10,000	7.04/M	CC0402CRNPO9BN5R0	
	NPO	50	5.6pF	±0.5pF	0.5	311-1011-1-ND	.43	2.54	7.33	311-1011-2-ND	10,000	7.04/M	CC0402DRNPO9BN5R6	
	NPO	50	8.2pF	±0.5pF	0.5	311-1012-1-ND	.43	2.54	7.33	311-1012-2-ND	10,000	7.04/M	CC0402DRNPO9BN8R2	
	NPO	50	9.1pF	±0.5pF	0.5	311-1013-1-ND	.43	2.54	7.33	—	—	—	—	CC0402DRNPO9BN9R1
	NPO	50	10pF	±5%	0.5	311-1014-1-ND	.10	.58	1.68	311-1014-2-ND	10,000	1.61/M	CC0402JRNPO9BN100	
	NPO	50	11pF	±5%	0.5	311-1015-1-ND	.32	1.88	5.42	—	—	—	—	CC0402JRNPO9BN110
	NPO	50	12pF	±5%	0.5	311-1016-1-ND	.10	.58	1.68	311-1016-2-ND	10,000	1.61/M	CC0402JRNPO9BN120	
	NPO	50	15pF	±5%	0.5	311-1017-1-ND	.10	.58	1.68	311-1017-2-ND	10,000	1.61/M	CC0402JRNPO9BN150	
	NPO	50	22pF	±5%	0.5	311-1018-1-ND	.10	.58	1.68	311-1018-2-ND	10,000	1.61/M	CC0402JRNPO9BN220	
	NPO	50	24pF	±5%	0.5	311-1348-1-ND	.10	.58	1.68	311-1348-2-ND	10,000	1.61/M	CC0402JRNPO9BN240	
	NPO	50	27pF	±5%	0.5	311-1019-1-ND	.10	.58	1.68	311-1019-2-ND	10,000	1.61/M	CC0402JRNPO9BN270	
	NPO	50	33pF	±5%	0.5	311-1020-1-ND	.10	.58	1.68	311-1020-2-ND	10,000	1.61/M	CC0402JRNPO9BN330	
	NPO	50	39pF	±5%	0.5	311-1009-1-ND	.11	.62	1.78	311-1009-2-ND	10,000	1.71/M	CC0402JRNPO9BN390	
	NPO	50	47pF	±5%	0.5	311-1021-1-ND	.10	.58	1.68	311-1021-2-ND	10,000	1.61/M	CC0402JRNPO9BN470	
	NPO	50	56pF	±5%	0.5	311-1022-1-ND	.10	.58	1.68	311-1022-2-ND	10,000	1.61/M	CC0402JRNPO9BN560	
	NPO	50	68pF	±5%	0.5	311-1340-1-ND	.10	.58	1.68	311-1340-2-ND	10,000	1.61/M	CC0402JRNPO9BN680	
	NPO	50	82pF	±5%	0.5	311-1023-1-ND	.10	.58	1.68	311-1023-2-ND	10,000	1.61/M	CC0402JRNPO9BN820	
	NPO	50	100pF	±5%	0.5	311-1024-1-ND	.10	.58	1.68	311-1024-2-ND	10,000	1.61/M	CC0402JRNPO9BN101	
	NPO	50	150pF	±5%	0.5	311-1025-1-ND	.15	.87	2.51	311-1025-2-ND	10,000	2.41/M	CC0402JRNPO9BN151	
	NPO	25	220pF	±5%	0.5	311-1026-1-ND	.82	4.83	13.94	311-1026-2-ND	10,000	13.39/M	CC0402JRNPO8BN221	
	X5R	16	.10µF	±10%	0.5	311-1347-1-ND	.15	.90	2.59	311-1347-2-ND	10,000	2.49/M	CC0402KRX5R7BB104	
	X5R	10	.10µF	±10%	0.5	311-1336-1-ND	.14	.83	2.42	311-1336-2-ND	10,000	2.32/M	CC0402KRX5R6BB104	
	X7R	50	220pF	±10%	0.5	311-1035-1-ND	.09	.55	1.59	311-1035-2-ND	10,000	1.54/M	CC0402KRX7R9BB221	
	X7R	50	330pF	±10%	0.5	311-1027-1-ND	.09	.55	1.59	311-1027-2-ND	10,000	1.54/M	CC0402KRX7R9BB331	
	X7R	50	470pF	±10%	0.5	311-1028-1-ND	.09	.55	1.59	311-1028-2-ND	10,000	1.54/M	CC0402KRX7R9BB471	
	X7R	50	560pF	±10%	0.5	311-1029-1-ND	.09	.55	1.59	311-1029-2-ND	10,000	1.54/M	CC0402KRX7R9BB561	
	X7R	50	680pF	±10%	0.5	311-1030-1-ND	.09	.55	1.59	311-1030-2-ND	10,000	1.54/M	CC0402KRX7R9BB681	
	X7R	50	1200pF	±10%	0.5	311-1031-1-ND	.09	.55	1.59	311-1031-2-ND	10,000	1.54/M	CC0402KRX7R9BB122	
	X7R	50	1500pF	±10%	0.5	311-1032-1-ND	.09	.55	1.59	311-1032-2-ND	10,000	1.54/M	CC0402KRX7R9BB152	
	X7R	50	2700pF	±10%	0.5	311-1033-1-ND	.09	.55	1.59	311-1033-2-ND	10,000	1.54/M	CC0402KRX7R9BB272	
	X7R	50	3300pF	±10%	0.5	311-1034-1-ND	.09	.55	1.59	311-1034-2-ND	10,000	1.54/M	CC0402KRX7R9BB332	
	X7R	50	1000pF	±5%	0.5	311-1351-1-ND	.12	.74	2.16	311-1351-2-ND	10,000	2.07/M	CC0402JRX7R9BB102	
	X7R	50	1000pF	±10%	0.5	311-1036-1-ND	.09	.55	1.59	311-1036-2-ND	10,000	1.54/M	CC0402KRX7R9BB102	
	X7R	50	2200pF	±10%	0.5	311-1037-1-ND	.09	.55	1.59	311-1037-2-ND	10,000	1.54/M	CC0402KRX7R9BB222	
	X7R	50	10000pF	±10%	0.5	311-1349-1-ND	.09	.55	1.59	311-1349-2-ND	10,000	1.54/M	CC0402KRX7R9BB103	
	X7R	25	3900pF	±10%	0.5	311-1038-1-ND	.09	.55	1.59	311-1038-2-ND	10,000	1.54/M	CC0402KRX7R8BB392	
	X7R	25	4700pF	±10%	0.5	311-1039-1-ND	.35	2.07	5.98	311-1039-2-ND	10,000	1.54/M	CC0402KRX7R8BB472	
	X7R	25	10000pF	±10%	0.5	311-1337-1-ND	.09	.55	1.59	311-1337-2-ND	10,000	1.54/M	CC0402KRX7R8BB103	
	X7R	16	1000pF	±10%	0.5	311-1352-1-ND	.09	.55	1.59	311-1352-2-ND	10,000	1.54/M	CC0402KRX7R7BB102	
	X7R	16	5600pF	±10%	0.5	311-1040-1-ND	.09	.55	1.59	311-1040-2-ND	10,000	1.54/M	CC0402KRX7R7BB562	
	X7R	16	8200pF	±10%	0.5	311-1041-1-ND	.09	.55	1.59	311-1041-2-ND	10,000	1.54/M	CC0402KRX7R7BB822	
	X7R	16	10000pF	±10%	0.5	311-1042-1-ND	.09	.55	1.59	311-1042-2-ND	10,000	1.54/M	CC0402KRX7R7BB103	
	X7R	16	22000pF	±10%	0.5	311-1378-1-ND	.11	.62	1.78	311-1378-2-ND	10,000	1.71/M	CC0402KRX7R7BB223	
	X7R	16	47000pF	±10%	0.5	311-1362-1-ND	.16	.94	2.73	311-1362-2-ND	10,000	2.62/M	CC0402KRX7R7BB473	
	X7R	16	.10µF	±10%	0.5	311-1338-1-ND	.48	2.85	8.21	311-1338-2-ND	10,000	7.89/M	CC0402KRX7R7BB104	
	X7R	10	47000pF	±10%	0.5	311-1334-1-ND	.12	.71	2.05	311-1334-2-ND	10,000	1.97/M	CC0402KRX7R6BB473	
	X7R	10	.10µF	±10%	0.5	311-1345-1-ND	.33	1.96	5.65	311-1345-2-ND	10,000	5.43/M	CC0402KRX7R6BB104	
	Y5V	25	.10µF	-20%/+80%	0.5	311-1375-1-ND	.14	.81	2.32	311-1375-2-ND	10,000	2.23/M	CC0402ZRY5V8BB104	
	Y5V	16	22000pF	-20%/+80%	0.5	311-1043-1-ND	.40	2.32	6.69	311-1043-2-ND	10,000	6.43/M	CC0402ZRY5V7BB223	
	Y5V	16	33000pF	-20%/+80%	0.5	311-1044-1-ND	.40	2.32	6.69	311-1044-2-ND	10,000	6.43/M	CC0402ZRY5V7BB333	
	Y5V	16	10000pF	-20%/+80%	0.5	311-1045-1-ND	.40	2.32	6.69	311-1045-2-ND	10,000	6.43/M	CC0402ZRY5V7BB103	
	Y5V	16	47000pF	-20%/+80%	0.5	311-1046-1-ND	.40	2.32	6.69	311-1046-2-ND	10,000	6.43/M	CC0402ZRY5V7BB473	
	Y5V	16	.10µF	-20%/+80%	0.5	311-1047-1-ND	.09	.54	1.55	311-1047-2-ND	10,000	1.49/M	CC0402ZRY5V7BB104	
	Y5V	16	.22µF	-20%/+80%	0.5	311-1350-1-ND	.25	1.49	4.29	311-1350-2-ND	10,000	4.12/M	CC0402ZRY5V7BB224	
	Y5V	10	.22µF	-20%/+80%	0.5	311-1353-1-ND	.25	1.49	4.29	311-1353-2-ND	10,000	4.12/M	CC0402ZRY5V6BB224	
	Y5V	6.3	1.0µF	-20%/+80%	0.5	311-1377-1-ND	.33	1.94	5.59	311-1377-2-ND	10,000	5.37/M	CC0402ZRY5V5BB105	

(Continued)

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