

TAIYO YUDEN Multilayer Ceramic Chip Capacitors

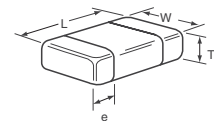


Features: The use of Nickel (Ni) as material for both the internal and external electrodes improves the solderability and heat resistance characteristics. This almost completely eliminates migration and raises the level of reliability significantly. Low equivalent series resistance (ESR) provides excellent noise absorption characteristics. Compared to tantalum or aluminum electrolytic capacitors, these ceramic

capacitors offer a number of excellent features, including:
 • Higher permissible ripple current values • Smaller case sizes relative to rated voltage • Improved reliability due to higher insulation resistance and breakdown voltage
Operating Temperature Range: • COG: -55° ~ 125°C
 • X7R: -55° ~ 125°C • X7S: -55° ~ 125°C • X5R: -55° ~ 85°C • X5S: -55° ~ 85°C • Y5V: -30° ~ 85°C

Size Code	Dimensions (mm)		
	L	W	e
0201	0.6	0.3	0.15
0306	1.60	0.80	0.35
0402	1.00	0.50	0.25
0508	2.00	1.25	0.30
0603	1.60	0.80	0.35

Size Code	Dimensions (mm)		
	L	W	e
0612	3.20	1.60	0.30
0805	2.00	1.25	0.50
1206	3.20	1.60	0.50
1210	4.20	2.50	0.60
1812	3.50	3.20	0.90



Size Code	Type	WV DC	Capacitance	Tolerance	Dimension T (mm)	Digi-Key Part No.	Cut Tape Pricing			Digi-Key Part No.	Tape and Reel		Taiyo Yuden Part No.	
							10	100	500		Qty.	Pricing		
0201	COG (NPO)	25	5.6pF	±0.5pF	0.3	587-1158-1-ND	.55	3.25	9.38	587-1158-2-ND	15,000	9.00/M	TMK063CG5R6DP-F	
			6.8pF	±0.5pF	0.3	587-1159-1-ND	.55	3.25	9.38	587-1159-2-ND	15,000	9.00/M	TMK063CG6R8DP-F	
			8.2pF	±0.5pF	0.3	587-1160-1-ND	.55	3.25	9.38	587-1160-2-ND	15,000	9.00/M	TMK063CG8R2DP-F	
			10pF	±0.5pF	0.3	587-1161-1-ND	.55	3.25	9.38	587-1161-2-ND	15,000	9.00/M	TMK063CG100DP-F	
			22pF	±5%	0.3	587-1165-1-ND	.55	3.25	9.38	587-1165-2-ND	15,000	9.00/M	TMK063CG220JP-F	
			56pF	±5%	0.3	587-1170-1-ND	.55	3.25	9.38	—	—	—	—	TMK063CG560JP-F
			82pF	±5%	0.3	587-1172-1-ND	.55	3.25	9.38	587-1172-2-ND	15,000	9.00/M	TMK063CG820JP-F	
	X5R	25	220pF	±10%	0.3	587-1175-1-ND	.55	3.25	9.38	587-1175-2-ND	15,000	9.00/M	TMK063BJ221KP-F	
			1000pF	±10%	0.3	587-1177-1-ND	.55	3.25	9.38	587-1177-2-ND	15,000	9.00/M	TMK063BJ102KP-F	
		16	2200pF	±10%	0.3	587-1178-1-ND	.66	3.90	11.25	587-1178-2-ND	15,000	11.00/M	EMK063BJ222KP-F	
			10000pF	±10%	0.3	587-1180-1-ND	.88	5.20	15.00	587-1180-2-ND	15,000	14.00/M	EMK063BJ103KP-F	
		10	22000pF	±10%	0.3	587-1181-1-ND	.99	5.85	16.88	587-1181-2-ND	15,000	16.00/M	LMK063BJ223KP-F	
			47000pF	±10%	0.3	587-1182-1-ND	.99	5.85	16.88	587-1182-2-ND	15,000	16.00/M	JMK063BJ473KP-F	
			.10µF	±10%	0.3	587-1183-1-ND	1.10	6.50	18.75	587-1183-2-ND	15,000	18.00/M	JMK063BJ104KP-F	
6.3	.22µF	±20%	0.3	587-1819-1-ND	2.42	14.30	41.25	587-1819-2-ND	15,000	40.00/M	JMK063BJ224MP-F			
	1.0µF	±10%	0.8	587-1783-1-ND	2.20	13.00	37.50	587-1783-2-ND	4,000	36.00/M	LWK107B7105KA-T			
0306	X7R	6.3	1.0µF	±10%	0.8	587-1186-1-ND	3.85	22.75	65.63	587-1186-2-ND	4,000	63.00/M	JWK107B7105KA-T	
0402	COG (NPO)	50	1.0pF	±0.25%	0.5	587-1187-1-ND▲	.33	1.95	5.63	587-1187-2-ND	10,000	5.00/M	UMK105CG10CWF-F	
			1.2pF	±0.25%	0.5	587-1188-1-ND▲	.33	1.95	5.63	587-1188-2-ND	10,000	5.00/M	UMK105CG1R2CW-F	
			1.5pF	±0.25%	0.5	587-1189-1-ND▲	.33	1.95	5.63	587-1189-2-ND	10,000	5.00/M	UMK105CG1R5CW-F	
			2.2pF	±0.25%	0.5	587-1191-1-ND▲	.33	1.95	5.63	587-1191-2-ND	10,000	5.00/M	UMK105CG2R2CW-F	
			2.7pF	±0.25%	0.5	587-1192-1-ND▲	.33	1.95	5.63	587-1192-2-ND	10,000	5.00/M	UMK105CG2R7CW-F	
			3.3pF	±0.25%	0.5	587-1193-1-ND▲	.33	1.95	5.63	587-1193-2-ND	10,000	5.00/M	UMK105CG3R3CW-F	
			3.9pF	±0.25%	0.5	587-1194-1-ND▲	.33	1.95	5.63	587-1194-2-ND	10,000	5.00/M	UMK105CG3R9CW-F	
			4.7pF	±0.25%	0.5	587-1195-1-ND▲	.33	1.95	5.63	587-1195-2-ND	10,000	5.00/M	UMK105CG4R7CW-F	
			5.6pF	±0.5pF	0.5	587-1196-1-ND▲	.33	1.95	5.63	587-1196-2-ND	10,000	5.00/M	UMK105CG5R6DW-F	
			6.8pF	±0.5pF	0.5	587-1197-1-ND▲	.33	1.95	5.63	587-1197-2-ND	10,000	5.00/M	UMK105CG6R8DW-F	
			8.2pF	±0.5pF	0.5	587-1946-1-ND▲	.28	1.63	4.69	587-1946-2-ND	10,000	4.00/M	UMK105CG8R2DV-F	
			10pF	±0.5pF	0.5	587-1947-1-ND▲	.28	1.63	4.69	587-1947-2-ND	10,000	4.00/M	UMK105CG100DV-F	
			12pF	±5%	0.5	587-1948-1-ND▲	.28	1.63	4.69	587-1948-2-ND	10,000	4.00/M	UMK105CG120JV-F	
			15pF	±5%	0.5	587-1949-1-ND▲	.28	1.63	4.69	587-1949-2-ND	10,000	4.00/M	UMK105CG150JV-F	
			18pF	±5%	0.5	587-1950-1-ND▲	.28	1.63	4.69	587-1950-2-ND	10,000	4.00/M	UMK105CG180JV-F	
			22pF	±5%	0.5	587-1203-1-ND▲	.33	1.95	5.63	587-1203-2-ND	10,000	5.00/M	UMK105CG220JV-F	
			27pF	±5%	0.5	587-1204-1-ND▲	.33	1.95	5.63	587-1204-2-ND	10,000	5.00/M	UMK105CG270JV-F	
			33pF	±5%	0.5	587-1205-1-ND▲	.33	1.95	5.63	587-1205-2-ND	10,000	5.00/M	UMK105CG330JV-F	
			39pF	±5%	0.5	587-1206-1-ND▲	.33	1.95	5.63	587-1206-2-ND	10,000	5.00/M	UMK105CG390JV-F	
			47pF	±5%	0.5	587-1207-1-ND▲	.33	1.95	5.63	587-1207-2-ND	10,000	5.00/M	UMK105CG470JV-F	
			56pF	±5%	0.5	587-1208-1-ND▲	.33	1.95	5.63	587-1208-2-ND	10,000	5.00/M	UMK105CG560JV-F	
			68pF	±5%	0.5	587-1209-1-ND▲	.33	1.95	5.63	587-1209-2-ND	10,000	5.00/M	UMK105CG680JV-F	
			82pF	±5%	0.5	587-1210-1-ND▲	.33	1.95	5.63	587-1210-2-ND	10,000	5.00/M	UMK105CG820JV-F	
			100pF	±5%	0.5	587-1211-1-ND▲	.40	2.34	6.75	587-1211-2-ND	10,000	6.00/M	UMK105CG101JV-F	
			120pF	±5%	0.5	587-1212-1-ND▲	.40	2.34	6.75	587-1212-2-ND	10,000	6.00/M	UMK105CG121JV-F	
			150pF	±5%	0.5	587-1213-1-ND▲	.40	2.34	6.75	587-1213-2-ND	10,000	6.00/M	UMK105CG151JV-F	
			180pF	±5%	0.5	587-1214-1-ND▲	.40	2.34	6.75	587-1214-2-ND	10,000	6.00/M	UMK105CG181JV-F	
			220pF	±5%	0.5	587-1215-1-ND▲	.40	2.34	6.75	587-1215-2-ND	10,000	6.00/M	UMK105CG221JV-F	
			270pF	±5%	0.5	587-1216-1-ND▲	.40	2.34	6.75	587-1216-2-ND	10,000	6.00/M	UMK105CG271JV-F	
			330pF	±5%	0.5	587-1217-1-ND	.40	2.34	6.75	587-1217-2-ND	10,000	6.00/M	UMK105CG331JV-F	
	X7R	50	220pF	±10%	0.5	587-1218-1-ND	.32	1.89	5.44	587-1218-2-ND	10,000	5.00/M	UMK105B7221KV-F	
			470pF	±10%	0.5	587-1219-1-ND	.26	1.56	4.50	587-1219-2-ND	10,000	4.00/M	UMK105B7471KV-F	
			1800pF	±10%	0.5	587-1220-1-ND	.25	1.50	4.31	587-1220-2-ND	10,000	4.00/M	UMK105B7102KV-F	
			2200pF	±10%	0.5	587-1221-1-ND	.26	1.56	4.50	587-1221-2-ND	10,000	4.00/M	UMK105B7222KV-F	
			4700pF	±10%	0.5	587-1222-1-ND	.28	1.63	4.69	587-1222-2-ND	10,000	5.00/M	TMK105B7472KV-F	
			10000pF	±10%	0.5	587-1223-1-ND	.25	1.50	4.31	587-1223-2-ND	10,000	4.00/M	TMK105B7103KV-F	
		16	22000pF	±10%	0.5	587-1224-1-ND	.24	1.43	4.13	587-1224-2-ND	10,000	4.00/M	EMK105B7223KV-F	
			47000pF	±10%	0.5	587-1225-1-ND	.24	1.43	4.13	587-1225-2-ND	10,000	4.00/M	EMK105B7473KV-F	
		10	.10µF	±10%	0.5	587-1451-1-ND	.40	2.34	6.75	587-1451-2-ND	10,000	6.00/M	EMK105B7104KV-FR	
			0.1µF	±10%	0.5	587-1994-1-ND	1.10	6.50	18.75	587-1994-2-ND	10,000	18.00/M	GMK105BJ104KV-F	
		X5R	25	.10µF	±10%	0.5	587-1456-1-ND	.43	2.54	7.31	587-1456-2-ND	10,000	7.00/M	TMK105BJ104KV-F
				.22µF	±10%	0.5	587-1226-1-ND	.40	2.34	6.75	587-1226-2-ND	10,000	6.00/M	EMK105BJ104KV-F
			16	.10µF	±10%	0.5	587-1452-1-ND	.99	5.85	16.88	587-1452-2-ND	10,000	16.00/M	EMK105BJ224KV-F
				.22µF	±10%	0.5	587-1227-1-ND	.33	1.95	5.63	587-1227-2-ND	10,000	5.00/M	LMK105BJ104KV-F
	10		.22µF	±10%	0.5	587-1228-1-ND	.79	4.68	13.50	587-1228-2-ND	10,000	13.00/M	LMK105BJ224KV-F	
			.47µF	±10%	0.5	587-1455-1-ND	1.05	6.18	17.81	587-1455-2-ND	10,000	17.00/M	LMK105BJ474KV-F	
	6.3		.10µF	±10%	0.5	587-1454-1-ND	2.15	12.68	36.56	587-1454-2-ND	10,000	35.00/M	LMK105BJ105KV-F	
			.22µF	±10%	0.5	587-1229-1-ND	.77	4.55	13.13	587-1229-2-ND	10,000	13.00/M	JMK105BJ224KV-F	
	6.3	.47µF	±10%	0.5	587-1230-1-ND	.88	5.20	15.00	587-1230-2-ND	10,000	14.00/M	JMK105BJ474KV-F		
		1.0µF	±10%	0.5	587-1231-1-ND	1.21	7.15	20.63	587-1231-2-ND	10,000	20.00/M	JMK105BJ105KV-F		
		2.2µF	±20%	0.5	587-1453-1-ND	5.50	32.50	93.75	587-1453-2-ND	10,000	90.00/M	JMK105BJ225MV-F		

(Continued)

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Size Code	Type	WV DC	Capacitance	Tolerance	Dimension T (mm)	Digi-Key Part No.	Cut Tape Pricing			Digi-Key Part No.	Tape and Reel		Taiyo Yuden Part No.	
							10	100	500		Qty.	Pricing		
0402	X5R	4.0	2.2µF ±20%	±20%	0.5	587-1232-1-ND	5.50	32.50	93.75	587-1232-2-ND	10,000	90.00/M	AMK105BJ225MV-F	
			4.7µF ±20%	±20%	0.5	587-1966-1-ND	6.05	35.75	103.13	587-1966-2-ND	10,000	99.00/M	AMK105BJ475MV-F	
	Y5V	50	10000pF ±80% / -20%	±80% / -20%	0.5	587-1233-1-ND	.33	1.95	5.63	587-1233-2-ND	10,000	5.00/M	UMK105F103ZV-F	
		16	10µF ±80% / -20%	±80% / -20%	0.5	587-1235-1-ND	.26	1.56	4.50	587-1235-2-ND	10,000	4.00/M	EMK105F104ZV-F	
0508	X5R	6.3	1.0µF ±80% / -20%	±80% / -20%	0.5	587-1236-1-ND	.66	3.90	11.25	587-1236-2-ND	10,000	11.00/M	JMK105F105ZV-F	
0603	X7R	100	1000pF ±10%	±10%	0.8	587-1445-1-ND	3.73	22.04	63.56	587-1445-2-ND	4,000	61.00/M	HMK107B7102KA-T	
			2200pF ±10%	±10%	0.8	587-1447-1-ND	3.73	22.04	63.56	587-1447-2-ND	4,000	61.00/M	HMK107B7222KA-T	
			4700pF ±10%	±10%	0.8	587-1449-1-ND	3.73	22.04	63.56	587-1449-2-ND	4,000	61.00/M	HMK107B7472KA-T	
			10000pF ±10%	±10%	0.8	587-1446-1-ND	3.87	22.88	66.00	587-1446-2-ND	4,000	63.00/M	HMK107B7103KA-T	
			22000pF ±10%	±10%	0.8	587-1448-1-ND	3.87	22.88	66.00	587-1448-2-ND	4,000	63.00/M	HMK107B7223KA-T	
			10µF ±10%	±10%	0.8	587-1243-1-ND	.66	3.90	11.25	587-1243-2-ND	4,000	11.00/M	UMK107B7104KA-T	
		25	22000pF ±10%	±10%	0.8	587-1238-1-ND	.48	2.86	8.25	587-1238-2-ND	4,000	8.00/M	TMK107B7223KA-T	
			22µF ±10%	±10%	0.8	587-1246-1-ND	.83	4.88	14.06	587-1246-2-ND	4,000	14.00/M	TMK107B7224KA-T	
			47000pF ±10%	0.8	587-1239-1-ND	.55	3.25	9.38	587-1239-2-ND	4,000	9.00/M	EMK107B7473KA-T		
				0.8	587-1240-1-ND	.28	1.63	4.69	587-1240-2-ND	4,000	5.00/M	EMK107B7104KA-T		
				0.8	587-1249-1-ND	.66	3.90	11.25	587-1249-2-ND	4,000	11.00/M	EMK107B7224KA-T		
				0.8	587-1250-1-ND	.77	4.55	13.13	587-1250-2-ND	4,000	13.00/M	EMK107B7474KA-T		
	16	47µF ±10%	±10%	0.8	587-1250-1-ND	.77	4.55	13.13	587-1250-2-ND	4,000	13.00/M	EMK107B7474KA-T		
		1.0µF ±10%	±10%	0.8	587-1241-1-ND	.88	5.20	15.00	587-1241-2-ND	4,000	14.00/M	EMK107B7105KA-TR		
	X5R	10	1.0µF ±10%	±10%	0.8	587-1242-1-ND	.99	5.85	16.88	587-1242-2-ND	4,000	16.00/M	LMK107B7105KA-T	
			47µF ±10%	±10%	0.8	587-1252-1-ND	.77	4.55	13.13	587-1252-2-ND	4,000	13.00/M	LMK107B7474KA-T	
			35	1.0µF ±10%	±10%	0.8	587-1437-1-ND	2.00	11.83	34.13	587-1437-2-ND	4,000	33.00/M	GMK107BJ105KA-T
			25	1.0µF ±10%	±10%	0.8	587-1245-1-ND	.33	1.95	5.63	587-1245-2-ND	4,000	5.00/M	TMK107BJ104KA-T
				47µF ±10%	±10%	0.8	587-1247-1-ND	1.21	7.15	20.63	587-1247-2-ND	4,000	20.00/M	TMK107BJ474KA-T
			1.0µF ±10%	±10%	0.8	587-1248-1-ND	1.54	9.10	26.25	587-1248-2-ND	4,000	25.00/M	TMK107BJ105KA-T	
		16	1.0µF ±10%	±10%	0.8	587-1251-1-ND	.88	5.20	15.00	587-1251-2-ND	4,000	14.00/M	EMK107BJ105KA-T	
			1.0µF ±10%	±10%	0.45	587-1959-1-ND	1.54	9.10	26.25	587-1959-2-ND	4,000	25.00/M	EMK107BJ105KK-T	
			2.2µF ±10%	±10%	0.8	587-1430-1-ND	2.53	14.95	43.13	587-1430-2-ND	4,000	41.00/M	EMK107BJ225KA-T	
			10	1.0µF ±10%	±10%	0.45	587-1992-1-ND	1.65	9.75	28.13	587-1992-2-ND	4,000	27.00/M	LMK107BJ105KK-T
2.2µF ±10%				±10%	0.8	587-1253-1-ND	1.98	11.70	33.75	587-1253-2-ND	4,000	32.00/M	LMK107BJ225KA-T	
4.7µF ±10%			±10%	0.8	587-1441-1-ND	3.96	23.40	67.50	587-1441-2-ND	4,000	65.00/M	LMK107BJ475KA-T		
6.3	1.0µF ±10%	±10%	0.45	587-1993-1-ND	1.76	10.40	30.00	587-1993-2-ND	4,000	29.00/M	JMK107BJ105KK-T			
	2.2µF ±10%	±10%	0.8	587-1254-1-ND	1.65	9.75	28.13	587-1254-2-ND	4,000	27.00/M	JMK107BJ225KA-T			
	2.2µF ±10%	±10%	0.45	587-1960-1-ND	1.54	9.10	26.25	587-1960-2-ND	4,000	25.00/M	JMK107BJ225KK-T			
	4.7µF ±10%	±10%	0.8	587-1785-1-ND	1.65	9.75	28.13	587-1785-2-ND	4,000	27.00/M	JMK107BJ475KA-T			
	4.7µF ±20%	±20%	0.8	587-1255-1-ND	1.65	9.75	28.13	587-1255-2-ND	4,000	27.00/M	JMK107BJ475MA-T			
	4.7µF ±20%	±20%	0.45	587-1944-1-ND	4.62	27.30	78.75	587-1944-2-ND	4,000	76.00/M	JMK107BJ475MK-T			
X5S	50	10µF ±20%	±20%	0.8	587-1256-1-ND	11.00	65.00	187.50	587-1256-2-ND	4,000	180.00/M	JMK107BJ106MA-T		
		22µF ±20%	±20%	0.8	587-2085-1-ND NEW!	23.65	139.75	403.13	587-2085-2-ND NEW!	4,000	387.00/M	AMK107BF225MA-T		
		1.0µF ±10%	±10%	0.8	587-1257-1-ND	1.54	9.10	26.25	587-1257-2-ND	4,000	25.00/M	UMK107C5105KA-T		
		50	1.0µF ±80% / -20%	±80% / -20%	0.8	587-1258-1-ND	.50	2.93	8.44	587-1258-2-ND	4,000	8.00/M	UMK107F104ZA-T	
		25	47µF ±80% / -20%	±80% / -20%	0.8	587-1259-1-ND	.46	2.73	7.88	587-1259-2-ND	4,000	8.00/M	TMK107F474ZA-T	
			2.2µF ±80% / -20%	±80% / -20%	0.8	587-1260-1-ND	.44	2.60	7.50	587-1260-2-ND	4,000	7.00/M	EMK107F224ZA-T	
	Y5V	16	47µF ±80% / -20%	±80% / -20%	0.8	587-1261-1-ND	.50	2.93	8.44	587-1261-2-ND	4,000	8.00/M	EMK107F474ZA-T	
			1.0µF ±80% / -20%	±80% / -20%	0.8	587-1262-1-ND	.44	2.60	7.50	587-1262-2-ND	4,000	7.00/M	EMK107F105ZA-T	
			2.2µF ±80% / -20%	±80% / -20%	0.8	587-1263-1-ND	.99	5.85	16.88	587-1263-2-ND	4,000	16.00/M	EMK107F225ZA-T	
		10	1.0µF ±80% / -20%	±80% / -20%	0.8	587-1264-1-ND	.66	3.90	11.25	587-1264-2-ND	4,000	11.00/M	LMK107F105ZA-T	
			2.2µF ±80% / -20%	±80% / -20%	0.8	587-1265-1-ND	.99	5.85	16.88	587-1265-2-ND	4,000	16.00/M	LMK107F225ZA-T	
			16	2.2µF ±10%	±10%	0.85	587-1784-1-ND	6.05	35.75	103.13	587-1784-2-ND	4,000	99.00/M	EWK316B7225KD-T
0612	X7R	10	2.2µF ±10%	±10%	0.85	587-1266-1-ND	6.38	37.70	108.75	587-1266-2-ND	4,000	104.00/M	LWK316B7225KD-T	
	X5R	6.3	10µF ±10%	±10%	0.85	587-1267-1-ND	11.00	65.00	187.50	587-1267-2-ND	4,000	180.00/M	JWK316BJ106KD-T	
0805	X7R	250	1000pF ±10%	±10%	0.85	587-1268-1-ND	4.07	24.05	69.38	587-1268-2-ND	4,000	67.00/M	QMK212B7102KD-T	
			10000pF ±10%	±10%	1.25	587-1271-1-ND	4.07	24.05	69.38	587-1271-2-ND	3,000	67.00/M	QMK212B7103KG-T	
			100	1.0µF ±10%	±10%	1.25	587-1276-1-ND	4.29	25.35	73.13	587-1276-2-ND	3,000	70.00/M	HMK212B7104KG-T
				2.2µF ±10%	±10%	1.25	587-2087-1-ND NEW!	3.74	22.10	63.75	587-2087-2-ND NEW!	3,000	61.00/M	HMK212B7224KG-T
				22000pF ±10%	±10%	0.85	587-1277-1-ND	.94	5.53	15.94	587-1277-2-ND	4,000	15.00/M	UMK212B7223KD-T
			50	47000pF ±10%	±10%	1.25	587-1278-1-ND	.99	5.85	16.88	587-1278-2-ND	3,000	16.00/M	UMK212B7473KG-T
		1.0µF ±10%		±10%	1.25	587-1279-1-ND	.89	5.27	15.19	587-1279-2-ND	3,000	15.00/M	UMK212B7104KG-T	
		47µF ±10%		±10%	1.25	587-1288-1-ND	3.19	18.85	54.38	587-1288-2-ND	3,000	52.00/M	UMK212B7474KG-T	
		25	1.0µF ±10%	±10%	1.25	587-1438-1-ND	4.40	26.00	75.00	587-1438-2-ND	3,000	72.00/M	GMK212B7105KG-T	
			47000pF ±10%	±10%	0.85	587-1280-1-ND	.85	5.01	14.44	587-1280-2-ND	4,000	14.00/M	TMK212B7473KD-T	
			1.0µF ±10%	±10%	1.25	587-1281-1-ND	1.65	9.75	28.13	587-1281-2-ND	3,000	27.00/M	TMK212B7105KG-TR	
			16	47µF ±10%	±10%	0.85	587-1282-1-ND	1.10	6.50	18.75	587-1282-2-ND	4,000	18.00/M	EMK212B7474KD-T
	1.0µF ±10%			±10%	1.25	587-1283-1-ND	1.49	8.78	25.31	587-1283-2-ND	3,000	24.00/M	EMK212B7105KG-T	
	2.2µF ±10%		±10%	1.25	587-1431-1-ND	2.75	16.25	46.88	587-1431-2-ND	3,000	45.00/M	EMK212B7225KG-TR		
	X5R	10	1.0µF ±10%	±10%	0.85	587-1284-1-ND	1.21	7.15	20.63	587-1284-2-ND	4,000	20.00/M	LMK212B7105KD-T	
			1.0µF ±10%	±10%	1.25	587-1285-1-ND	1.32	7.80	22.50	587-1285-2-ND	3,000	22.00/M	LMK212B7105KG-T	
			2.2µF ±10%	±10%	1.25	587-1286-1-ND	1.71	10.08	29.06	587-1286-2-ND	3,000	28.00/M	LMK212B7225KG-T	
			4.7µF ±10%	±10%	1.25	587-1442-1-ND	2.81	16.58	47.81	587-1442-2-ND	3,000	46.00/M	LMK212B7475KG-T	
			50	2.2µF ±10%	±10%	1.25	587-1287-1-ND	1.10	6.50	18.75	587-1287-2-ND	3,000	18.00/M	UMK212B7224KG-T
			250	22000pF ±10%	±10%	1.25	587-1272-1-ND	4.07	24.05	69.38	587-1272-2-ND	3,000	67.00/M	QMK212B7223KG-T
		35	47µF ±10%	±10%	1.25	587-1289-1-ND	1.65	9.75	28.13	587-1289-2-ND	3,000	27.00/M	GMK212BJ474KG-T	
			47µF ±10%	±10%	0.85	587-1290-1-ND	1.10	6.50	18.75	587-1290-2-ND	4,000	18.00/M	TMK212BJ474KD-T	
			25	1.0µF ±10%	±10%	1.25	587-1291-1-ND	1.65	9.75	28.13	587-1291-2-ND	3,000	27.00/M	TMK212BJ105KG-T
				2.2µF ±10%	±10%	1.25	587-1292-1-ND	3.08	18.20	52.50	587-1292-2-ND	3,000	50.00/M	TMK212BJ225KG-T
4.7µF ±10%			±10%	1.25	587-1782-1-ND	3.96	23.40	67.50	587-1782-2-ND	3,000	65.00/M	TMK212BJ475KG-T		
16			2.2µF ±10%	±10%	1.25	587-1293-1-ND	2.15	12.68	36.56	587-1293-2-ND	3,000	35.00/M	EMK212BJ225KG-T	
	4.7µF ±10%	±10%	1.25	587-1294-1-ND	3.63	21.45	61.88	587-1294-2-ND	3,000	59.00/M	EMK212BJ475KG-T			
	10µF ±10%	±10%	1.25	587-1295-1-ND	6.60									



Size Code	Type	WV DC	Capacitance	Tolerance	Dimension T (mm)	Digi-Key Part No.	Cut Tape Pricing			Digi-Key Part No.	Tape and Reel		Taiyo Yuden Part No.		
							10	100	500		Qty.	Pricing			
0805	X5R	6.3	4.7µF	±10%	0.85	587-1301-1-ND	2.53	14.95	43.13	587-1301-2-ND	4,000	41.00/M	JMK212BJ475KD-T		
			4.7µF	±10%	1.25	587-1302-1-ND	2.20	13.00	37.50	587-1302-2-ND	3,000	36.00/M	JMK212BJ475KG-T		
			10µF	±10%	1.25	587-1303-1-ND	6.05	35.75	103.13	587-1303-2-ND	3,000	99.00/M	JMK212BJ106KG-T		
			10µF	±10%	0.85	587-1304-1-ND	3.30	19.50	56.25	587-1304-2-ND	4,000	54.00/M	JMK212BJ106KD-T		
			22µF	±10%	1.25	587-1468-1-ND	13.20	78.00	225.00	587-1468-2-ND	3,000	216.00/M	JMK212BJ226KG-T		
			10µF	±20%	1.25	587-1943-1-ND	6.05	35.75	103.13	587-1943-2-ND	3,000	99.00/M	JMK212BJ106MG-T		
			22µF	±20%	1.25	587-1305-1-ND	11.00	65.00	187.50	587-1305-2-ND	3,000	180.00/M	JMK212BJ226MG-T		
			22µF	±20%	0.85	587-1961-1-ND	15.40	91.00	262.50	587-1961-2-ND	4,000	252.00/M	JMK212BJ226MD-T		
			47µF	±20%	1.25	587-1779-1-ND	36.30	214.50	618.75	587-1779-2-ND	3,000	594.00/M	JMK212BJ476MG-T		
			Y5V	50	16	22µF	±80% / -20%	0.85	587-1306-1-ND	.88	5.20	15.00	587-1306-2-ND	4,000	14.00/M
	47µF	±80% / -20%				1.25	587-1307-1-ND	1.32	7.80	22.50	587-1307-2-ND	3,000	22.00/M	UMK212F474ZG-T	
	1.0µF	±80% / -20%				1.25	587-1308-1-ND	.88	5.20	15.00	587-1308-2-ND	3,000	14.00/M	UMK212F105ZG-T	
	2.2µF	±80% / -20%				1.25	587-1309-1-ND	1.32	7.80	22.50	587-1309-2-ND	3,000	22.00/M	EMK212F225ZG-T	
	4.7µF	±80% / -20%				1.25	587-1311-1-ND	1.43	8.45	24.38	587-1311-2-ND	3,000	23.00/M	LMK212F475ZG-T	
	6.3	10		16	10µF	±80% / -20%	1.25	587-1312-1-ND	2.75	16.25	46.88	587-1312-2-ND	3,000	45.00/M	LMK212F106ZG-T
					4.7µF	±80% / -20%	0.85	587-1313-1-ND	1.65	9.75	28.13	587-1313-2-ND	4,000	27.00/M	JMK212F475ZD-T
					10µF	±80% / -20%	1.25	587-1314-1-ND	1.98	11.70	33.75	587-1314-2-ND	3,000	32.00/M	JMK212F106ZG-T
					1000pF	±10%	1.15	587-1315-1-ND	5.97	35.30	101.81	587-1315-2-ND	3,000	98.00/M	SMK316B7102KF-T
					2200pF	±10%	1.15	587-1316-1-ND	5.97	35.30	101.81	587-1316-2-ND	3,000	98.00/M	SMK316B7222KF-T
	1206	X7R	630	1000pF	±10%	1.15	587-1318-1-ND	5.97	35.30	101.81	587-1318-2-ND	3,000	98.00/M	SMK316B7103KF-T	
10µF				±10%	1.6	587-1322-1-ND	6.27	37.05	106.88	587-1322-2-ND	2,000	103.00/M	HMK316B7104KL-T		
22µF				±10%	1.6	587-1323-1-ND	7.04	41.60	120.00	587-1323-2-ND	2,000	115.00/M	HMK316B7224KL-T		
4.7µF				±10%	1.6	587-1450-1-ND	8.25	48.75	140.63	587-1450-2-ND	2,000	135.00/M	HMK316B7474KL-T		
10µF				±10%	1.6	587-1777-1-ND	8.25	48.75	140.63	587-1777-2-ND	2,000	135.00/M	HMK316B7105KL-T		
50			35	16	22µF	±10%	1.6	587-1324-1-ND	3.08	18.20	52.50	587-1324-2-ND	2,000	50.00/M	UMK316B7224KL-T
					4.7µF	±10%	1.6	587-1325-1-ND	3.08	18.20	52.50	587-1325-2-ND	2,000	50.00/M	UMK316B7474KL-T
					1.0µF	±10%	1.6	587-1326-1-ND	3.52	20.80	60.00	587-1326-2-ND	2,000	58.00/M	GMK316B7105KL-T
					2.2µF	±10%	1.15	587-1327-1-ND	2.20	13.00	37.50	587-1327-2-ND	3,000	36.00/M	TMK316B7224KF-T
					1.0µF	±10%	1.6	587-1328-1-ND	3.44	20.35	58.69	587-1328-2-ND	2,000	56.00/M	TMK316B7105KL-T
25		10	16	2.2µF	±10%	1.6	587-1329-1-ND	3.60	21.26	61.31	587-1329-2-ND	2,000	59.00/M	TMK316B7225KL-T	
				4.7µF	±10%	1.6	587-1443-1-ND	15.95	94.25	271.88	587-1443-2-ND	2,000	261.00/M	TMK316B7475KL-T	
				1.0µF	±10%	1.15	587-1945-1-ND	2.31	13.65	39.38	587-1945-2-ND	3,000	38.00/M	EMK316B7105KF-T	
				2.2µF	±10%	1.6	587-1330-1-ND	3.52	20.80	60.00	587-1330-2-ND	2,000	58.00/M	EMK316B7225KL-T	
				4.7µF	±10%	1.6	587-1331-1-ND	2.73	16.12	46.50	587-1331-2-ND	2,000	45.00/M	EMK316B7475KL-TR	
10		6.3	10	4.7µF	±10%	1.6	587-1332-1-ND	3.63	21.45	61.88	587-1332-2-ND	2,000	59.00/M	LMK316B7475KL-T	
				10µF	±10%	1.6	587-1333-1-ND	3.85	22.75	65.63	587-1333-2-ND	2,000	63.00/M	LMK316B7106KL-TR	
				10µF	±10%	1.6	587-1346-1-ND	4.40	26.00	75.00	587-1346-2-ND	2,000	72.00/M	JMK316B7106KL-T	
				10µF	±20%	1.6	587-1942-1-ND	4.40	26.00	75.00	587-1942-2-ND	2,000	72.00/M	JMK316B7106ML-T	
				22µF	±20%	1.6	587-1334-1-ND	14.30	84.50	243.75	587-1334-2-ND	2,000	234.00/M	JMK316B7226ML-TR	
X5R	630	250	2200pF	±10%	1.6	587-1335-1-ND	6.71	39.65	114.38	587-1335-2-ND	2,000	110.00/M	SMK316B7223KL-T		
			1.0µF	±10%	1.6	587-1320-1-ND	6.71	39.65	114.38	587-1320-2-ND	2,000	110.00/M	QMK316B7104KL-T		
			4.7µF	±10%	1.6	587-1962-1-ND	6.93	40.95	118.13	587-1962-2-ND	2,000	113.00/M	UMK316BJ475KL-T		
			1µF	±10%	0.85	587-1434-1-ND	3.04	17.94	51.75	587-1434-2-ND	4,000	50.00/M	TMK316B7105KD-T		
			4.7µF	±10%	1.6	587-1336-1-ND	5.61	33.15	95.63	587-1336-2-ND	2,000	92.00/M	TMK316BJ475KL-T		
	25	16	10	10µF	±10%	1.6	587-1337-1-ND	6.05	35.75	103.13	587-1337-2-ND	2,000	99.00/M	TMK316BJ106KL-T	
				4.7µF	±10%	1.6	587-1338-1-ND	3.63	21.45	61.88	587-1338-2-ND	2,000	59.00/M	EMK316BJ475KL-T	
				10µF	±10%	1.6	587-1339-1-ND	4.85	28.67	82.69	587-1339-2-ND	2,000	79.00/M	EMK316BJ106KL-T	
				22µF	±20%	1.6	587-1433-1-ND	28.60	169.00	487.50	587-1433-2-ND	2,000	468.00/M	EMK316BJ226ML-T	
				4.7µF	±10%	0.85	587-1340-1-ND	3.41	20.15	58.13	587-1340-2-ND	4,000	56.00/M	LMK316BJ475KD-T	
X5R	10	6.3	10µF	±10%	0.85	587-1341-1-ND	4.40	26.00	75.00	587-1341-2-ND	4,000	72.00/M	LMK316BJ106KD-T		
			10µF	±10%	1.6	587-1342-1-ND	3.85	22.75	65.63	587-1342-2-ND	2,000	63.00/M	LMK316BJ106KL-T		
			22µF	±20%	1.6	587-1343-1-ND	13.20	78.00	225.00	587-1343-2-ND	2,000	216.00/M	LMK316BJ226ML-T		
			47µF	±20%	1.6	587-1780-1-ND	30.80	182.00	525.00	587-1780-2-ND	2,000	504.00/M	LMK316BJ476ML-T		
			10µF	±10%	1.15	587-1344-1-ND	4.00	23.66	68.25	587-1344-2-ND	3,000	66.00/M	JMK316BJ106KF-T		
	6.3	10	16	10µF	±10%	0.85	587-1345-1-ND	4.51	26.65	76.88	587-1345-2-ND	4,000	74.00/M	JMK316BJ106KD-T	
				22µF	±10%	1.6	587-1467-1-ND	14.30	84.50	243.75	587-1467-2-ND	2,000	234.00/M	JMK316BJ226KL-T	
				22µF	±20%	1.6	587-1347-1-ND	14.30	84.50	243.75	587-1347-2-ND	2,000	234.00/M	JMK316BJ226ML-T	
				47µF	±20%	1.6	587-1348-1-ND	27.50	162.50	468.75	587-1348-2-ND	2,000	450.00/M	JMK316BJ476ML-T	
				100µF	±20%	1.6	587-1963-1-ND	22.00	192.50	825.00	587-1963-2-ND	2,000	990.00/M	JMK316BJ107ML-T	
X5S	25	10	100µF	±20%	1.6	587-1349-1-ND	60.50	357.50	1031.25	587-1349-2-ND	2,000	990.00/M	AMK316BJ107ML-T		
			10µF	±10%	1.6	587-1350-1-ND	7.59	44.85	129.38	587-1350-2-ND	2,000	124.00/M	TMK316C106KL-T		
			2.2µF	±80% / -20%	1.25	587-1351-1-ND	3.30	19.50	56.25	587-1351-2-ND	3,000	54.00/M	UMK316F225ZG-T		
			10µF	±80% / -20%	1.6	587-1352-1-ND	3.52	20.80	60.00	587-1352-2-ND	2,000	58.00/M	GMK316F106ZL-T		
			25	10µF	±80% / -20%	1.6	587-1353-1-ND	2.53	14.95	43.13	587-1353-2-ND	2,000	41.00/M	TMK316F106ZL-T	
	Y5V	16	10	10µF	±80% / -20%	1.6	587-1354-1-ND	2.53	14.95	43.13	587-1354-2-ND	2,000	41.00/M	EMK316F106ZL-T	
				10µF	±80% / -20%	1.15	587-1355-1-ND	2.42	14.30	41.25	587-1355-2-ND	3,000	40.00/M	LMK316F106ZF-T	
				22µF	±80% / -20%	1.6	587-1356-1-ND	7.15	42.25	121.88	587-1356-2-ND	2,000	117.00/M	LMK316F226ZL-T	
				6.3	10µF	±80% / -20%	0.85	587-1357-1-ND	2.53	14.95	43.13	587-1357-2-ND	4,000	41.00/M	JMK316F106ZD-T
				630	2200pF	±10%	1.9	587-1358-1-ND	10.12	59.80	172.50	587-1358-2-ND	2,000	166.00/M	SMK325B7223KN-T
1210	X7R	250	1.0µF	±10%	1.9	587-1360-1-ND	10.67	63.05	181.88	587-1360-2-ND	2,000	175.00/M	QMK325B7104KN-T		
			22µF	±10%	1.9	587-1363-1-ND	12.10	71.50	206.25	587-1363-2-ND	2,000	198.00/M	HMK325B7224KN-T		
			4.7µF	±10%	1.9	587-1364-1-ND	12.10	71.50	206.25	587-1364-2-ND	2,000	198.00/M	HMK325B7474KN-T		
			1.0µF	±10%	1.9	587-1365-1-ND	12.65	74.75	215.63	587-1365-2-ND	2,000	207.00/M	HMK325B7105KN-T		
			2.2µF	±10%	1.9	587-1778-1-ND	13.64	80.60	232.50	587-1778-2-ND	2,000	223.00/M	HMK325B7225KN-T		
	50	16	10	1.0µF	±10%	1.5	587-1366-1-ND	5.50	32.50	93.75	587-1366-2-ND	2,000	90.00/M	UMK325B7105KH-T	
				1.0µF	±10%	0.85	587-1367-1-ND	4.29	25.35	73.13	587-1367-2-ND	2,000	70.00/M	TMK325B7105KD-T	
				2.2µF	±10%	1.5	587-1368-1-ND	5.28	31.20	90.00	587-1368-2-ND	2,000	86.00/M	TMK325B7225KH-T	
				4.7µF	±10%	1.9	587-1373-1-ND	6.60	39.00	112.50	587-1373-2-ND	2,000	108.00/M	TMK325B7475KN-T	
				10µF	±20%</										



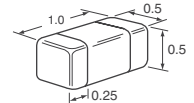
Size Code	Type	WV DC	Capacitance	Tolerance	Dimension T (mm)	Digi-Key Part No.	Cut Tape Pricing			Digi-Key Part No.	Tape and Reel		Taiyo Yuden Part No.
							10	100	500		Qty.	Pricing	
1210	X5R	35	2.2µF	±10%	1.9	587-1372-1-ND★	6.05	35.75	103.13	587-1372-2-ND	2,000	99.00/M	GMK325BJ225KN-T
			4.7µF	±20%	1.9	587-1781-1-ND	4.62	27.30	78.75	587-1781-2-ND	2,000	108.00/M	GMK325BJ475MN-T
			10µF	±10%	1.9	587-1439-1-ND★	6.05	91.65	264.38	587-1439-2-ND	2,000	254.00/M	GMK325BJ106KN-T
		25	10µF	±10%	0.85	587-1444-1-ND	13.75	81.25	234.38	587-1444-2-ND	2,000	225.00/M	TMK325BJ106KD-T
			10µF	±20%	2.5	587-1374-1-ND★	16.50	97.50	—	587-1374-2-ND	500	135.00	TMK325BJ106MM-T
			10µF	±20%	1.9	587-1375-1-ND	9.90	58.50	168.75	587-1375-2-ND	2,000	162.00/M	TMK325BJ106MN-T
		16	22µF	±20%	2.5	587-2086-1-ND NEW!	16.28	96.20	—	587-2086-2-ND NEW!	500	133.00	TMK325BJ226MM-T
			10µF	±10%	1.9	587-1376-1-ND	9.90	58.50	168.75	587-1376-2-ND	2,000	162.00/M	EMK325BJ106KN-T
			10µF	±10%	0.85	587-1377-1-ND	8.80	52.00	150.00	587-1377-2-ND	2,000	144.00/M	EMK325BJ106KD-T
		10	10µF	±20%	1.9	587-1470-1-ND	9.90	58.50	168.75	587-1470-2-ND	2,000	162.00/M	EMK325BJ106MN-T
			22µF	±20%	2.5	587-1378-1-ND★	19.80	117.00	—	587-1378-2-ND	500	162.00	EMK325BJ226MM-T
			47µF	±20%	2.5	587-1436-1-ND★	39.60	234.00	—	587-1436-2-ND	500	324.00	EMK325BJ476MM-T
	4.7µF		±10%	0.85	587-1379-1-ND	5.50	32.50	93.75	587-1379-2-ND	2,000	90.00/M	LMK325BJ475KD-T	
	10µF		±20%	0.85	587-1380-1-ND	7.70	45.50	131.25	587-1380-2-ND	2,000	126.00/M	LMK325BJ106MD-T	
	22µF		±20%	2.5	587-1381-1-ND★	17.60	104.00	—	587-1381-2-ND	500	144.00	LMK325BJ226MM-T	
	6.3	22µF	±20%	2.0 Max.	587-1382-1-ND	19.80	117.00	337.50	587-1382-2-ND	2,000	324.00/M	LMK325BJ226MY-T	
		47µF	±20%	2.5	587-1383-1-ND★	34.10	201.50	—	587-1383-2-ND	500	279.00	LMK325BJ476MM-T	
		100µF	±20%	2.5	587-1965-1-ND	26.00	227.50	—	587-1965-2-ND	500	585.00	LMK325BJ107MM-T	
		22µF	±10%	2.5	587-1471-1-ND	18.70	110.50	—	587-1471-2-ND	500	153.00	JMK325BJ226KM-T	
		22µF	±20%	2.5	587-1384-1-ND	18.70	110.50	—	587-1384-2-ND	500	153.00	JMK325BJ226MN-T	
		22µF	±20%	2.0 Max.	587-1385-1-ND	13.20	78.00	225.00	587-1385-2-ND	2,000	216.00/M	JMK325BJ226MY-T	
	Y5V	47µF	±20%	1.9	587-1440-1-ND	38.50	227.50	656.25	587-1440-2-ND	2,000	630.00/M	JMK325BJ476MN-T	
		47µF	±20%	2.5	587-1386-1-ND★	35.20	208.00	—	587-1386-2-ND	500	288.00	JMK325BJ476MM-T	
		100µF	±20%	2.5	587-1387-1-ND	66.00	390.00	—	587-1387-2-ND	500	540.00	JMK325BJ107MM-T	
100µF		±20%	2.0 Max.	587-1388-1-ND★	55.00	325.00	—	587-1388-2-ND	2,000	900.00/M	JMK325BJ107MY-T		
4.7µF		±80% / -20%	1.5	587-1389-1-ND	6.60	39.00	112.50	587-1389-2-ND	2,000	108.00/M	UMK325F475ZH-T		
35		10µF	±80% / -20%	1.5	587-1391-1-ND	7.15	42.25	121.88	587-1391-2-ND	2,000	117.00/M	GMK325F106ZH-T	
X7R	25	10µF	±80% / -20%	1.5	587-1393-1-ND	5.28	31.20	90.00	587-1393-2-ND	2,000	86.00/M	TMK325F106ZH-T	
	16	22µF	±80% / -20%	1.9	587-1390-1-ND	6.60	39.00	112.50	587-1390-2-ND	2,000	108.00/M	EMK325F226ZN-T	
	10	22µF	±80% / -20%	1.9	587-1395-1-ND	8.25	48.75	140.63	587-1395-2-ND	2,000	135.00/M	LMK325F226ZN-T	
	6.3	47µF	±80% / -20%	1.9	587-1396-1-ND	16.50	97.50	281.25	587-1396-2-ND	2,000	270.00/M	JMK325F476ZN-T	
	100µF	±80% / -20%	2.5	587-1397-1-ND	39.60	234.00	—	587-1397-2-ND	500	324.00	JMK325F107ZM-T		
	630	47000pF	±10%	2.5	587-1398-1-ND§	20.30	119.93	—	587-1398-2-ND	500	166.00	SMK432B7473KM-T	
1812	X5R	250	1.0µF	±10%	2.5	587-1399-1-ND§	23.65	139.75	—	587-1399-2-ND	500	193.50	QMK432B7104KM-T
		22µF	±10%	2.5	587-1400-1-ND§	23.65	139.75	—	587-1400-2-ND	500	193.50	QMK432B7224KM-T	
		100	4.7µF	±10%	2.5	587-1402-1-ND‡	21.34	126.10	—	587-1402-2-ND	500	174.50	HMK432B7474KM-T
		1.0µF	±10%	2.5	587-1403-1-ND‡	22.55	133.25	—	587-1403-2-ND	500	166.00	HMK432B7105KM-T	
		630	1.0µF	±10%	2.5	587-1405-1-ND§	22.55	133.25	—	587-1405-2-ND	500	184.50	SMK432B7104KM-T
		250	4.7µF	±10%	2.5	587-1401-1-ND§	25.30	149.50	—	587-1401-2-ND	500	207.00	QMK432B7474KM-T
	X5R	100	2.2µF	±10%	2.5	587-1404-1-ND‡	23.98	141.70	—	587-1404-2-ND	500	196.00	HMK432B7225KM-T
		25	10µF	±20%	2.5	587-1406-1-ND	26.40	156.00	—	587-1406-2-ND	500	216.00	TMK432BJ106MM-T
		16	22µF	±20%	2.5	587-1407-1-ND	22.00	130.00	—	587-1407-2-ND	500	180.00	EMK432BJ226MM-T
		10	22µF	±10%	2.5	587-1472-1-ND	22.00	130.00	—	587-1472-2-ND	500	180.00	EMK432BJ226KM-T
		6.3	22µF	±20%	2.5	587-1408-1-ND	20.90	123.50	—	587-1408-2-ND	500	171.00	LMK432BJ226MM-T
		5.0	47µF	±20%	2.5	587-1409-1-ND	88.00	520.00	—	587-1409-2-ND	500	720.00	JMK432BJ476MM-T
	X5S	25	10µF	±20%	2.5	587-1411-1-ND	19.80	117.00	—	587-1411-2-ND	500	162.00	UMK432C106MM-T
		22µF	±20%	2.5	587-1412-1-ND	40.15	237.25	—	—	—	—	—	TMK432C226MM-T
	Y5V	25	47µF	±20%	2.5	587-1413-1-ND	63.80	377.00	—	587-1413-2-ND	500	522.00	UMK432C476MM-T
		10	47µF	±80% / -20%	2.5	587-1414-1-ND	33.00	195.00	—	587-1414-2-ND	500	270.00	LMK432F476ZM-T

F

Kits

‡ 587-1794-ND (TAIYO-CAP100V-V1)	10 each of values denoted – 0603, 0805, and 1206 case sizes, 5 each of values denoted – 1210 and 1812 case sizes (180 total pieces)	\$67.50
§ 587-1795-ND (TAIYO-HIVOLTCAP-V1)	5 each of values denoted (110 total pieces)	\$67.50
¶ 587-1797-ND (TAIYO-HICVCAP-V2)	10 each of values denoted (290 total pieces)	\$67.50
★ 587-1798-ND (TAIYO-HICVCAP-V3)	10 each of values denoted (290 total pieces)	\$67.50
▲ 587-1951-ND (TAIYO-0402NPO-V2)	50 each of values denoted (1,500 total pieces)	\$67.50

High Frequency Multilayer Ceramic Chip Capacitors



Features: Q-values in the high-frequency range (1 GHz+) are excellent compared to other types of multilayer capacitors. The 1005 (0402) case size is designed for high density mounting and weight reduction in various applications.

Applications: Suitable for those high-frequency applications in which a capacitor with both a high Q-value and small size is required, such as applications for communications and other wireless applications: VCO, TCXO, etc. Adjustment of characteristics in high-frequency circuits.

Operating Temperature Range: -55 - 125°C

Size Code	Type	WV DC	Capacitance	Tolerance	Digi-Key Part No.	Cut Tape Pricing			Digi-Key Part No.	Tape and Reel Pricing		Taiyo Yuden Part No.
						10	100	500		10,000	10,000	
0402	COG (NPO)	50	0.3pF	±0.1pF	587-1000-1-ND	1.65	9.75	28.13	587-1000-2-ND	27.00/M	UVK105CH0R3BW-F	
			0.4pF		587-1001-1-ND	1.65	9.75	28.13	587-1001-2-ND	27.00/M	UVK105CH0R4BW-F	
			0.5pF		587-1002-1-ND	1.65	9.75	28.13	587-1002-2-ND	27.00/M	UVK105CH0R5BW-F	
			0.6pF	587-1003-1-ND	1.65	9.75	28.13	587-1003-2-ND	27.00/M	UVK105CH0R6BW-F		
			0.7pF	587-1004-1-ND	1.65	9.75	28.13	587-1004-2-ND	27.00/M	UVK105CH0R7BW-F		
			0.8pF	587-1005-1-ND	1.65	9.75	28.13	587-1005-2-ND	27.00/M	UVK105CH0R8BW-F		
			0.9pF	587-1006-1-ND	1.65	9.75	28.13	587-1006-2-ND	27.00/M	UVK105CH0R9BW-F		
			1.0pF	587-1007-1-ND	1.65	9.75	28.13	587-1007-2-ND	27.00/M	UVK105CH010BW-F		
			1.1pF	587-1008-1-ND	1.65	9.75	28.13	587-1008-2-ND	27.00/M	UVK105CH1R1BW-F		
			1.2pF	587-1009-1-ND	1.65	9.75	28.13	587-1009-2-ND	27.00/M	UVK105CH1R2BW-F		
			1.3pF	587-1010-1-ND	1.65	9.75	28.13	587-1010-2-ND	27.00/M	UVK105CH1R3BW-F		
			1.5pF	587-1011-1-ND	1.65	9.75	28.13	587-1011-2-ND	27.00/M	UVK105CH1R5BW-F		
	1.6pF	587-1012-1-ND	1.65	9.75	28.13	587-1012-2-ND	27.00/M	UVK105CH1R6BW-F				
	1.8pF	587-1013-1-ND	1.65	9.75	28.13	587-1013-2-ND	27.00/M	UVK105CH1R8BW-F				
	2.0pF	587-1014-1-ND	1.65	9.75	28.13	587-1014-2-ND	27.00/M	UVK105CH020BW-F				
	2.2pF	587-1015-1-ND	1.65	9.75	28.13	587-1015-2-ND	27.00/M	UVK105CH2R2JW-F				
	2.4pF	587-1016-1-ND	1.65	9.75	28.13	587-1016-2-ND	27.00/M	UVK105CH2R4JW-F				
	2.7pF	587-1017-1-ND	1.65	9.75	28.13	587-1017-2-ND	27.00/M	UVK105CH2R7JW-F				
	3.0pF	587-1018-1-ND	1.65	9.75	28.13	587-1018-2-ND	27.00/M	UVK105CH030JW-F				
	3.3pF	587-1019-1-ND	1.65	9.75	28.13	587-1019-2-ND	27.00/M	UVK105CH3R3JW-F				
	3.6pF	587-1020-1-ND	1.65	9.75	28.13	587-1020-2-ND	27.00/M	UVK105CH3R6JW-F				
	3.9pF	587-1021-1-ND	1.65	9.75	28.13	587-1021-2-ND	27.00/M	UVK105CH3R9JW-F				
	4.3pF	587-1022-1-ND	1.65	9.75	28.13	587-1022-2-ND	27.00/M	UVK105CH4R3JW-F				
	4.7pF	587-1023-1-ND	1.65	9.75	28.13	587-1023-2-ND	27.00/M	UVK105CH4R7JW-F				
5.1pF	587-1024-1-ND	1.65	9.75	28.13	587-1024-2-ND	27.00/M	UVK105CH5R1JW-F					

Kit

587-1799-ND (TAIYO-HIFREQCAP-V1)	50 each of 25 values (1250 total pieces)	\$67.50
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Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

More Product Available Online: www.digikey.com

1772 (T083)

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TAIYO YUDEN

Multilayer Ceramic Chip Capacitor Arrays

Features:

Internal electrode is nickel for increased cost performance and reliability

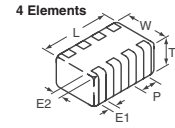
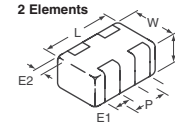
Applications:

Communication Equipment: Mobile Phones, PHS, Cordless Phones, etc.

Operating Temperature Range:

- X7R: -55° ~ 125°C
- X5R: -55° ~ 85°C

Type (Size Code)	Dimensions (mm)				
	L	W	E1	E2	P
□2K110 (0504)	1.37	1.00 ± 0.08	0.36	0.20	0.64
□4K212 (0805)	2.00	1.25 ± 0.10	0.25	0.25	0.50



Size Code	Type	WV DC	Capacitance	Tolerance	Dimension T (mm)	Digi-Key Part No.	Cut Tape Pricing			Digi-Key Part No.	Tape and Reel		Taiyo Yuden Part No.
							10	100	500		Qty.	Pricing	
2 Elements													
0504	X7R	25	.10µF	±10%	0.6	587-1034-1-ND	1.76	10.40	30.00	587-1034-2-ND	4,000	29.00/M	T2K110BJ104KB-T
		16	.10µF	±10%	0.6	587-1036-1-ND	1.76	10.40	30.00	587-1036-2-ND	4,000	29.00/M	E2K110B7104KB-T
4 Elements													
0805	X5R	25	.10µF	±10%	0.85	587-1045-1-ND	4.51	26.65	76.88	587-1045-2-ND	4,000	74.00/M	T4K212BJ104KD-T
		16	.10µF	±10%	0.85	587-1046-1-ND	3.74	22.10	63.75	587-1046-2-ND	4,000	61.00/M	E4K212B7104KD-T
		10	.22µF	±10%	0.85	587-1047-1-ND	5.17	30.55	88.13	587-1047-2-ND	4,000	85.00/M	L4K212BJ224KD-T

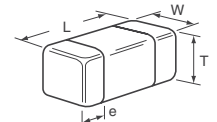
Super Low Distortion Multilayer Ceramic Capacitors (CFCAP)

Features: Newly developed dielectric material and the use of nickel for internal electrodes provide excellent temperature characteristics with high capacitance, small case size, and low cost. Low distortion and low shock noise make these capacitors well-suited for use in analog or digital mobile devices. Excellent heat-resistance, high break-down voltage, and mechanical strength make these capacitors well suited for replacing film capacitors.

Applications: • Signal line for AV products • Analog signal coupling applications • PLL circuit of mobile phones • Good temperature characteristics for time-constant circuits, oscillation circuits and filters

Specifications: • Operating Temperature: -55°C ~ 125°C

Type (Size Code)	Dimensions (mm)		
	L	W	e
□MK105 (0402)	1.0	0.5 ± 0.05	0.25
□MK107 (0603)	1.6	0.8 ± 0.10	0.35
□MK212 (0805)	2.0	1.25 ± 0.10	0.5
□MK316 (1206)	3.2	1.6 ± 0.15	0.5



Size Code	WV DC	Capacitance	Tolerance	Dimension T (mm)	Digi-Key Part No.	Cut Tape Pricing			Digi-Key Part No.	Tape and Reel		Taiyo Yuden Part No.
						10	100	500		Qty.	Pricing	
0402	50	390pF	±5%	0.5	587-1462-1-ND	4.27	25.22	72.75	587-1462-2-ND	10,000	70.00/M	UMK105SD391JV-F
		390pF	±10%	0.5	587-1461-1-ND	4.00	23.66	68.25	587-1461-2-ND	10,000	66.00/M	UMK105SD391KV-F
		470pF	±5%	0.5	587-1464-1-ND	4.27	25.22	72.75	587-1464-2-ND	10,000	70.00/M	UMK105SD471JV-F
		470pF	±10%	0.5	587-1463-1-ND	3.89	23.01	66.38	587-1463-2-ND	10,000	64.00/M	UMK105SD471KV-F
		560pF	±5%	0.5	587-1466-1-ND	4.27	25.22	72.75	587-1466-2-ND	10,000	70.00/M	UMK105SD561JV-F
		560pF	±10%	0.5	587-1465-1-ND	4.00	23.66	68.25	587-1465-2-ND	10,000	66.00/M	UMK105SD561KV-F
	25	1000pF	±5%	0.5	587-1051-1-ND	4.40	26.00	75.00	587-1051-2-ND	10,000	72.00/M	TMK105SD102JV-F
		1200pF	±5%	0.5	587-1053-1-ND	4.51	26.65	76.88	587-1053-2-ND	10,000	74.00/M	TMK105SD122JV-F
		1500pF	±5%	0.5	587-1055-1-ND	4.29	25.35	73.13	587-1055-2-ND	10,000	70.00/M	EMK105SD152JV-F
		1500pF	±10%	0.5	587-1056-1-ND	4.07	24.05	69.38	587-1056-2-ND	10,000	67.00/M	EMK105SD152KV-F
		1800pF	±5%	0.5	587-1057-1-ND	4.29	25.35	73.13	587-1057-2-ND	10,000	70.00/M	EMK105SD182JV-F
		2200pF	±5%	0.5	587-1059-1-ND	4.29	25.35	73.13	587-1059-2-ND	10,000	70.00/M	EMK105SD222JV-F
16	2700pF	±5%	0.5	587-1061-1-ND	4.29	25.35	73.13	587-1061-2-ND	10,000	70.00/M	EMK105SD272JV-F	
	3300pF	±5%	0.5	587-1063-1-ND	4.29	25.35	73.13	587-1063-2-ND	10,000	70.00/M	LMK105SD332JV-F	
	3900pF	±5%	0.5	587-1065-1-ND	4.62	27.30	78.75	587-1065-2-ND	10,000	76.00/M	LMK105SD392JV-F	
	4700pF	±5%	0.5	587-1067-1-ND	4.73	27.95	80.63	587-1067-2-ND	10,000	77.00/M	LMK105SD472JV-F	
	4700pF	±10%	0.5	587-1068-1-ND	4.51	26.65	76.88	587-1068-2-ND	10,000	74.00/M	LMK105SD472KV-F	
	50	1000pF	±5%	0.8	587-1069-1-ND	4.40	26.00	75.00	587-1069-2-ND	4,000	72.00/M	UMK107SD102JA-T
0603	50	1000pF	±10%	0.8	587-1070-1-ND	3.85	22.75	65.63	587-1070-2-ND	4,000	63.00/M	UMK107SD102KA-T
		1200pF	±5%	0.8	587-1071-1-ND	5.50	32.50	93.75	587-1071-2-ND	4,000	90.00/M	UMK107SD122JA-T
		1500pF	±10%	0.8	587-1074-1-ND	5.06	29.90	86.25	587-1074-2-ND	4,000	83.00/M	UMK107SD152KA-T
		2200pF	±5%	0.8	587-1077-1-ND	5.17	30.55	88.13	587-1077-2-ND	4,000	85.00/M	UMK107SD222JA-T
		2200pF	±10%	0.8	587-1078-1-ND	4.62	27.30	78.75	587-1078-2-ND	4,000	76.00/M	UMK107SD222KA-T
		2700pF	±5%	0.8	587-1079-1-ND	5.50	32.50	93.75	587-1079-2-ND	4,000	90.00/M	UMK107SD272JA-T
	25	3900pF	±5%	0.8	587-1083-1-ND	4.95	29.25	84.38	587-1083-2-ND	4,000	81.00/M	TMK107SD392JA-T
		4700pF	±5%	0.8	587-1085-1-ND	4.95	29.25	84.38	587-1085-2-ND	4,000	81.00/M	TMK107SD472JA-T
		6800pF	±5%	0.8	587-1089-1-ND	5.17	30.55	88.13	587-1089-2-ND	4,000	85.00/M	EMK107SD682JA-T
		8200pF	±5%	0.8	587-1091-1-ND	5.17	30.55	88.13	587-1091-2-ND	4,000	85.00/M	EMK107SD822JA-T
		10000pF	±5%	0.8	587-1093-1-ND	4.40	26.00	75.00	587-1093-2-ND	4,000	72.00/M	EMK107SD103JA-T
		10000pF	±10%	0.8	587-1094-1-ND	3.85	22.75	65.63	587-1094-2-ND	4,000	63.00/M	EMK107SD103KA-T
16	12000pF	±5%	0.8	587-1095-1-ND	5.61	33.15	95.63	587-1095-2-ND	4,000	92.00/M	LMK107SD123JA-T	
	15000pF	±5%	0.8	587-1097-1-ND	5.61	33.15	95.63	587-1097-2-ND	4,000	92.00/M	LMK107SD153JA-T	
	18000pF	±5%	0.8	587-1099-1-ND	5.61	33.15	95.63	587-1099-2-ND	4,000	92.00/M	LMK107SD183JA-T	
	22000pF	±5%	0.8	587-1101-1-ND	5.61	33.15	95.63	587-1101-2-ND	4,000	92.00/M	LMK107SD223JA-T	
	22000pF	±10%	0.8	587-1102-1-ND	4.51	26.65	76.88	587-1102-2-ND	4,000	74.00/M	LMK107SD223KA-T	
	50	4700pF	±5%	0.85	587-1105-1-ND	5.83	34.45	99.38	587-1105-2-ND	4,000	95.00/M	UMK212SD472JD-T
0805	35	10000pF	±5%	0.85	587-1113-1-ND	5.50	32.50	93.75	587-1113-2-ND	4,000	90.00/M	UMK212SD103JD-T
		10000pF	±10%	0.85	587-1114-1-ND	4.95	29.25	84.38	587-1114-2-ND	4,000	81.00/M	UMK212SD103KD-T
		18000pF	±5%	1.25	587-1119-1-ND	6.16	36.40	105.00	587-1119-2-ND	3,000	101.00/M	GMK212SD183JG-T
		22000pF	±5%	1.25	587-1121-1-ND	6.16	36.40	105.00	587-1121-2-ND	3,000	101.00/M	GMK212SD223JG-T
		22000pF	±10%	1.25	587-1122-1-ND	5.72	33.80	97.50	587-1122-2-ND	3,000	94.00/M	GMK212SD223KG-T
		27000pF	±5%	1.25	587-1123-1-ND	6.27	37.05	106.88	587-1123-2-ND	3,000	103.00/M	GMK212SD273JG-T
	16	33000pF	±5%	0.85	587-1125-1-ND	6.84	40.43	116.63	587-1125-2-ND	4,000	112.00/M	EMK212SD333JD-T
		33000pF	±10%	0.85	587-1126-1-ND	6.16	36.40	105.00	587-1126-2-ND	4,000	101.00/M	EMK212SD333KD-T
		47000pF	±5%	0.85	587-1127-1-ND	6.82	40.30	116.25	587-1127-2-ND	4,000	112.00/M	LMK212SD473JD-T
		68000pF	±5%	1.25	587-1129-1-ND	6.82	40.30	116.25	587-1129-2-ND	3,000	112.00/M	LMK212SD683JG-T
		82000pF	±5%	1.25	587-1131-1-ND	6.82	40.30	116.25	587-1131-2-ND	3,000	112.00/M	LMK212SD823JG-T
		82000pF	±10%	1.25	587-1132-1-ND	6.38	37.70	108.75	587-1132-2-ND	3,000	104.00/M	LMK212SD823KG-T
25	10µF	±5%	1.25	587-1133-1-ND	6.05	35.75	103.13	587-1133-2-ND	3,000	99.00/M	LMK212SD104JG-T	
	10µF	±10%	1.25	587-1134-1-ND	5.50	32.50	93.75	587-1134-2-ND	3,000	90.00/M	LMK212SD104KG-T	
	47000pF	±5%	1.15	587-1139-1-ND	9.57	56.55	163.13	587-1139-2-ND	3,000	157.00/M	TMK316SD473JF-T	
	68000pF	±5%	1.15	587-1143-1-ND	9.57	56.55	163.13	587-1143-2-ND	3,000	157.00/M	TMK316SD683JF-T	
	10µF	±5%	1.6	587-1147-1-ND	8.80	52.00	150.00	587-1147-2-ND	2,000	144.00/M	TMK316SD104JL-T	
	10µF	±10%	1.6	587-1148-1-ND	8.25	48.75	140.63	587-1148-2-ND	2,000	135.00/M	TMK316SD104KL-T	

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