

TAIYO YUDEN Multilayer Ceramic Chip Capacitors

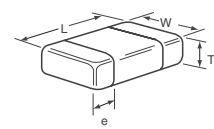


Features: The use of Nickel (Ni) as material for both the internal and external electrodes improves the solderability and heat resistance characteristics. This almost completely eliminates migration and raises the level of reliability significantly. Low equivalent series resistance (ESR) provides excellent 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: • C0G: -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
01005	0.4	0.2	0.1
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	0.50
0603	1.60	0.90	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	3.20	2.50	0.60
1812	4.50	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	
01005	C0G (NPO)	16	0.5pF	±0.25pF	0.2	587-2106-1-ND	2.31	13.65	39.38	587-2106-2-ND	15,000	38.00/M	EMK042CG010CC-F
			1.0pF	±0.25pF	0.2	587-2107-1-ND	2.31	13.65	39.38	587-2107-2-ND	15,000	38.00/M	EMK042CG010CC-F
			1.2pF	±0.25pF	0.2	587-2108-1-ND	2.31	13.65	39.38	587-2108-2-ND	15,000	38.00/M	EMK042CG1R2CC-F
			1.5pF	±0.25pF	0.2	587-2109-1-ND	2.31	13.65	39.38	587-2109-2-ND	15,000	38.00/M	EMK042CG1R5CC-F
			1.8pF	±0.25pF	0.2	587-2110-1-ND	2.31	13.65	39.38	587-2110-2-ND	15,000	38.00/M	EMK042CG1R8CC-F
			2.0pF	±0.25pF	0.2	587-2111-1-ND	2.31	13.65	39.38	587-2111-2-ND	15,000	38.00/M	EMK042CG020CC-F
			2.2pF	±0.25pF	0.2	587-2112-1-ND	2.31	13.65	39.38	587-2112-2-ND	15,000	38.00/M	EMK042CG2R2CC-F
			2.7pF	±0.25pF	0.2	587-2113-1-ND	2.31	13.65	39.38	587-2113-2-ND	15,000	38.00/M	EMK042CG2R7CC-F
			3.0pF	±0.25pF	0.2	587-2114-1-ND	2.31	13.65	39.38	587-2114-2-ND	15,000	38.00/M	EMK042CG030CC-F
			3.3pF	±0.25pF	0.2	587-2115-1-ND	2.31	13.65	39.38	587-2115-2-ND	15,000	38.00/M	EMK042CG3R3CC-F
			3.9pF	±0.25pF	0.2	587-2116-1-ND	2.31	13.65	39.38	587-2116-2-ND	15,000	38.00/M	EMK042CG3R9CC-F
			4.0pF	±0.25pF	0.2	587-2117-1-ND	2.31	13.65	39.38	587-2117-2-ND	15,000	38.00/M	EMK042CG040CC-F
			4.7pF	±0.25pF	0.2	587-2118-1-ND	2.31	13.65	39.38	587-2118-2-ND	15,000	38.00/M	EMK042CG4R7CC-F
			5.0pF	±0.25pF	0.2	587-2119-1-ND	2.31	13.65	39.38	587-2119-2-ND	15,000	38.00/M	EMK042CG050CC-F
			5.6pF	±0.5pF	0.2	587-2120-1-ND	2.31	13.65	39.38	587-2120-2-ND	15,000	38.00/M	EMK042CG5R6CC-F
			6.0pF	±0.5pF	0.2	587-2121-1-ND	2.31	13.65	39.38	587-2121-2-ND	15,000	38.00/M	EMK042CG060CC-F
			6.8pF	±0.5pF	0.2	587-2122-1-ND	2.31	13.65	39.38	587-2122-2-ND	15,000	38.00/M	EMK042CG6R8CC-F
			7.0pF	±0.5pF	0.2	587-2123-1-ND	2.31	13.65	39.38	587-2123-2-ND	15,000	38.00/M	EMK042CG070CC-F
			8.0pF	±0.5pF	0.2	587-2124-1-ND	2.31	13.65	39.38	587-2124-2-ND	15,000	38.00/M	EMK042CG080CC-F
			8.2pF	±0.5pF	0.2	587-2125-1-ND	2.31	13.65	39.38	587-2125-2-ND	15,000	38.00/M	EMK042CG8R2CC-F
	9.0pF	±0.5pF	0.2	587-2126-1-ND	2.31	13.65	39.38	587-2126-2-ND	15,000	38.00/M	EMK042CG090CC-F		
	10pF	±0.5pF	0.2	587-2127-1-ND	2.31	13.65	39.38	587-2127-2-ND	15,000	38.00/M	EMK042CG100CC-F		
	12pF	±5%	0.2	587-2128-1-ND	2.31	13.65	39.38	587-2128-2-ND	15,000	38.00/M	EMK042CG120JC-F		
	15pF	±5%	0.2	587-2129-1-ND	2.31	13.65	39.38	587-2129-2-ND	15,000	38.00/M	EMK042CG150JC-F		
	18pF	±5%	0.2	587-2130-1-ND	2.31	13.65	39.38	587-2130-2-ND	15,000	38.00/M	EMK042CG180JC-F		
	22pF	±5%	0.2	587-2131-1-ND	2.31	13.65	39.38	587-2131-2-ND	15,000	38.00/M	EMK042CG220JC-F		
	27pF	±5%	0.2	587-2132-1-ND	2.31	13.65	39.38	587-2132-2-ND	15,000	38.00/M	EMK042CG270JC-F		
	33pF	±5%	0.2	587-2133-1-ND	2.31	13.65	39.38	587-2133-2-ND	15,000	38.00/M	EMK042CG330JC-F		
	39pF	±5%	0.2	587-2134-1-ND	2.31	13.65	39.38	587-2134-2-ND	15,000	38.00/M	EMK042CG390JC-F		
	47pF	±5%	0.2	587-2135-1-ND	2.31	13.65	39.38	587-2135-2-ND	15,000	38.00/M	EMK042CG470JC-F		
	56pF	±5%	0.2	587-2136-1-ND	2.31	13.65	39.38	587-2136-2-ND	15,000	38.00/M	EMK042CG560JC-F		
	68pF	±5%	0.2	587-2137-1-ND	2.31	13.65	39.38	587-2137-2-ND	15,000	38.00/M	EMK042CG680JC-F		
	82pF	±5%	0.2	587-2138-1-ND	2.31	13.65	39.38	587-2138-2-ND	15,000	38.00/M	EMK042CG820JC-F		
	100pF	±5%	0.2	587-2139-1-ND	2.31	13.65	39.38	587-2139-2-ND	15,000	38.00/M	EMK042CG101JC-F		
	100pF	±10%	0.2	587-2140-1-ND	2.42	14.30	41.25	587-2140-2-ND	15,000	40.00/M	LMK042BJ101KC-F		
	220pF	±10%	0.2	587-2141-1-ND	2.42	14.30	41.25	587-2141-2-ND	15,000	40.00/M	LMK042BJ221KC-F		
	470pF	±10%	0.2	587-2142-1-ND	2.42	14.30	41.25	587-2142-2-ND	15,000	40.00/M	LMK042BJ471KC-F		
	1000pF	±10%	0.2	587-2143-1-ND	2.42	14.30	41.25	587-2143-2-ND	15,000	40.00/M	LMK042BJ102KC-F		
	2200pF	±10%	0.2	587-2144-1-ND	2.42	14.30	41.25	587-2144-2-ND	15,000	40.00/M	JMK042BJ222KC-F		
	4700pF	±10%	0.2	587-2145-1-ND	2.42	14.30	41.25	587-2145-2-ND	15,000	40.00/M	JMK042BJ472KC-F		
10000pF	±10%	0.2	587-2146-1-ND	2.42	14.30	41.25	587-2146-2-ND	15,000	40.00/M	JMK042BJ103KC-F			
0201	C0G (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
			100pF	±5%	0.3	587-1173-1-ND	.55	3.25	9.38	587-1173-2-ND	15,000	9.00/M	TMK063CG101JP-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
			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
			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
4	47µF	±20%	0.3	587-2147-1-ND	4.51	26.65	76.88	587-2147-2-ND	15,000	74.00/M	AMK063BJ474MP-F		
0306	X7R	10	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
		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	C0G (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	UMK105CG010CW-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	±5%	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



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	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	
			1000pF	±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		
	X5R	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	
			100µF	±10%	0.5	587-1451-1-ND	.40	2.34	6.75	587-1451-2-ND	10,000	6.00/M	EMK105B7104KV-FR	
		35	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	
			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	
	X5V	10	10µF	±10%	0.5	587-1227-1-ND	.33	1.95	5.63	587-1227-2-ND	10,000	5.00/M	LMK105BJ104KV-F	
			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	
			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	
			47µF	±10%	0.5	587-1230-1-ND	.88	5.20	15.00	587-1230-2-ND	10,000	14.00/M	JMK105BJ474KV-F	
		6.3	10µF	±10%	0.5	587-1231-1-ND	1.21	7.15	20.63	587-1231-2-ND	10,000	20.00/M	JMK105BJ105KV-F	
			22µF	±20%	0.5	587-1453-1-ND	5.50	32.50	93.75	587-1453-2-ND	10,000	90.00/M	JMK105BJ225MV-F	
			2.2µF	±20%	0.5	587-1232-1-ND	5.50	32.50	93.75	587-1232-2-ND	10,000	90.00/M	AMK105BJ225MV-F	
		4.0	2.2µF	±20%	0.5	587-1966-1-ND	6.05	35.75	103.13	587-1966-2-ND	10,000	99.00/M	AMK105BJ475MV-F	
			4.7µF	±20%	0.5	587-1233-1-ND	.33	1.95	5.63	587-1233-2-ND	10,000	5.00/M	UMK105F103ZV-F	
			10µF	±80% / -20%	0.5	587-1235-1-ND	.26	1.56	4.50	587-1235-2-ND	10,000	4.00/M	EMK105F104ZV-F	
Y5V	16	1.0µF	±80% / -20%	0.5	587-1236-1-ND	.66	3.90	11.25	587-1236-2-ND	10,000	11.00/M	JMK105F105ZV-F		
	6.3	1.0µF	±80% / -20%	0.5	587-1236-1-ND	.66	3.90	11.25	587-1236-2-ND	10,000	11.00/M	JMK105F105ZV-F		
	6.3	4.7µF	±10%	0.85	587-1237-1-ND	5.50	32.50	93.75	587-1237-2-ND	4,000	90.00/M	JWK2126475KD-T		
0508	X6S	100	1000pF	±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%	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%	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%	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%	0.8	587-1448-1-ND	3.87	22.88	66.00	587-1448-2-ND	4,000	63.00/M	HMK107B7223KA-T		
		50	10µF	±10%	0.8	587-1243-1-ND	.66	3.90	11.25	587-1243-2-ND	4,000	11.00/M	UMK107B7104KA-T	
	X7R	25	22000pF	±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%	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	
		16	10µF	±10%	0.8	587-1240-1-ND	.28	1.63	4.69	587-1240-2-ND	4,000	5.00/M	EMK107B7104KA-T	
			22µF	±10%	0.8	587-1249-1-ND	.66	3.90	11.25	587-1249-2-ND	4,000	11.00/M	EMK107B7224KA-T	
			47µF	±10%	0.8	587-1250-1-ND	.77	4.55	13.13	587-1250-2-ND	4,000	13.00/M	EMK107B7474KA-T	
	10	1.0µF	±10%	0.8	587-1241-1-ND	.88	5.20	15.00	587-1241-2-ND	4,000	14.00/M	EMK107B7105KA-TR		
		10µF	±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%	0.8	587-1252-1-ND	.77	4.55	13.13	587-1252-2-ND	4,000	13.00/M	LMK107B7474KA-T		
	X5R	35	1.0µF	±10%	0.8	587-1437-1-ND	2.00	11.83	34.13	587-1437-2-ND	4,000	33.00/M	GMK107BJ105KA-T	
			10µF	±10%	0.8	587-1245-1-ND	.33	1.95	5.63	587-1245-2-ND	4,000	5.40/M	TMK107BJ104KA-T	
			47µF	±10%	0.8	587-1247-1-ND	1.21	7.15	20.63	587-1247-2-ND	4,000	20.00/M	TMK107BJ474KA-T	
		25	1.0µF	±10%	0.8	587-1248-1-ND	1.54	9.10	26.25	587-1248-2-ND	4,000	25.00/M	TMK107BJ105KA-T	
			10µF	±10%	0.8	587-1251-1-ND	.88	5.20	15.00	587-1251-2-ND	4,000	14.00/M	EMK107BJ105KA-T	
			2.2µF	±10%	0.45	587-1959-1-ND	1.54	9.10	26.25	587-1959-2-ND	4,000	25.00/M	EMK107BJ105KK-T	
		16	2.2µF	±10%	0.8	587-1430-1-ND	2.53	14.95	43.13	587-1430-2-ND	4,000	41.00/M	EMK107BJ225KA-T	
			10µF	±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%	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%	0.8	587-1441-1-ND	3.96	23.40	67.50	587-1441-2-ND	4,000	65.00/M	LMK107BJ475KA-T		
1.0µF			±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%	0.8	587-1254-1-ND	1.65	9.75	28.13	587-1254-2-ND	4,000	27.00/M	JMK107BJ225KA-T		
6.3	2.2µF	±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%	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%	0.8	587-1255-1-ND	1.65	9.75	28.13	587-1255-2-ND	4,000	27.00/M	JMK107BJ475MA-T			
	10µF	±20%	0.45	587-1944-1-ND	4.62	27.30	78.75	587-1944-2-ND	4,000	76.00/M	JMK107BJ475MK-T			
	4.7µF	±20%	0.8	587-1256-1-ND	11.00	65.00	187.50	587-1256-2-ND	4,000	180.00/M	JMK107BJ108MA-T			
	4.0	22µF	±20%	0.8	587-2085-1-ND	23.65	139.75	403.13	587-2085-2-ND	4,000	387.00/M	AMK107BJ226MA-T		
X5S	50	1.0µF	±10%	0.8	587-1257-1-ND	1.54	9.10	26.25	587-1257-2-ND	4,000	25.00/M	UMK107C5105KA-T		
		10µF	±80% / -20%	0.8	587-1258-1-ND	.50	2.93	8.44	587-1258-2-ND	4,000	8.00/M	UMK107F104ZA-T		
		47µF	±80% / -20%	0.8	587-1259-1-ND	.46	2.73	7.88	587-1259-2-ND	4,000	8.00/M	TMK107F474ZA-T		
	16	22µF	±80% / -20%	0.8	587-1260-1-ND	.44	2.60	7.50	587-1260-2-ND	4,000	7.00/M	EMK107F224ZA-T		
		47µF	±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%	0.8	587-1262-1-ND	.44	2.60	7.50	587-1262-2-ND	4,000	7.00/M	EMK107F105ZA-T		
10	2.2µF	±80% / -20%	0.8	587-1263-1-ND	.99	5.85	16.88	587-1263-2-ND	4,000	16.00/M	EMK107F225ZA-T			
	1.0µF	±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%	0.8	587-1265-1-ND	.99	5.85	16.88	587-1265-2-ND	4,000	16.00/M	LMK107F225ZA-T			
0612	X7R	16	2.2µF	±10%	0.85	587-1784-1-ND	6.05	35.75	103.13	587-1784-2-ND	4,000	99.00/M	EWK316B7225KD-T	
		10	2.2µF	±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%	0.85	587-1267-1-ND	11.00	65.00	187.50	587-1267-2-ND	4,000	180.00/M	JWK316BJ106KD-T	
		250	1000pF	±10%	0.85	587-1268-1-ND	4.07	24.05	69.38	587-1268-2-ND	4,000	67.00/M	QMK212B7102KD-T	
	0805	X7R	100	10000pF	±10%	1.25	587-1271-1-ND	4.07	24.05	69.38	587-1271-2-ND	3,000	67.00/M	QMK212B7103KG-T
				10µF	±10%	1.25	587-1276-1-ND	4.29	25.35	73.13	587-1276-2-ND	3,000	70.00/M	HMK212B7104KG-T
				22µF	±10%	1.25	587-2087-1-ND	3.74	22.10	63.75	587-2087-2-ND	3,000	61.00/M	HMK212B7224KG-T
			50	22000pF	±10%	0.85	587-1277-1-ND	.94	5.53	15.94	587-1277-2-ND	4,000	15.00/M	UMK212B7223KD-T
				47000pF	±10%	1.25	587-1278-1-ND	.99	5.85	16.88	587-1278-2-ND	3,000	16.00/M	UMK212B7473KG-T
				10µF	±10%	1.25	587-1279-1-ND	.89	5.27	15.19	587-1279-2-ND	3,000	15.00/M	UMK212B7104KG-T
		35	47µF	±10%	1.25	587-1288-1-ND	3.19	18.85	54.38	587-1288-2-ND	3,000	52.00/M	UMK212B7474KG-T	
			1.0µF	±10%	1.25	587-1438-1-ND	4.40	2						



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	25	2.2µF	4.7µF	±10%	1.25	587-1292-1-ND	3.08	18.20	52.50	587-1292-2-ND	3,000	50.00/M	TMK212BJ225KG-T			
				±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	4.7µF	±10%	1.25	587-1293-1-ND	2.15	12.68	36.56	587-1293-2-ND	3,000	35.00/M	EMK212BJ225KG-T		
					±10%	1.25	587-1294-1-ND	3.63	21.45	61.88	587-1294-2-ND	3,000	59.00/M	EMK212BJ475KG-T		
		10	2.2µF	4.7µF	±10%	0.85	587-1296-1-ND	1.76	10.40	30.00	587-1296-2-ND	4,000	29.00/M	LМК212BJ225KD-T		
					±10%	0.85	587-1297-1-ND	2.75	16.25	46.88	587-1297-2-ND	4,000	45.00/M	LМК212BJ475KD-T		
	6.3		2.2µF	4.7µF	±10%	1.25	587-1298-1-ND	2.42	14.30	41.25	587-1298-2-ND	3,000	40.00/M	LМК212BJ475KG-T		
					±10%	0.85	587-1299-1-ND	3.63	21.45	61.88	587-1299-2-ND	4,000	59.00/M	LМК212BJ106KD-T		
	10		10µF	22µF	±10%	1.25	587-1300-1-ND	3.85	22.75	65.63	587-1300-2-ND	3,000	63.00/M	LМК212BJ106KG-T		
					±20%	1.25	587-1958-1-ND	6.00	52.50	225.00	587-1958-2-ND	3,000	270.00/M	LМК212BJ226MG-T		
	Y5R	6.3	4.7µF	10µF	±10%	0.85	587-1301-1-ND	2.53	14.95	43.13	587-1301-2-ND	4,000	41.00/M	JMK212BJ475KD-T		
					±10%	1.25	587-1302-1-ND	2.20	13.00	37.50	587-1302-2-ND	3,000	36.00/M	JMK212BJ475KG-T		
		10	10µF	22µF	±10%	1.25	587-1303-1-ND	6.05	35.75	103.13	587-1303-2-ND	3,000	99.00/M	JMK212BJ106KG-T		
					±10%	0.85	587-1304-1-ND	3.30	19.50	56.25	587-1304-2-ND	4,000	54.00/M	JMK212BJ106KD-T		
		6.3	22µF	47µF	±10%	1.25	587-1468-1-ND	13.20	78.00	225.00	587-1468-2-ND	3,000	216.00/M	JMK212BJ226KG-T		
					±20%	1.25	587-1943-1-ND	6.05	35.75	103.13	587-1943-2-ND	3,000	99.00/M	JMK212BJ106MG-T		
		Y5V	50	2.2µF	4.7µF	±80% / -20%	0.85	587-1306-1-ND	.88	5.20	15.00	587-1306-2-ND	4,000	14.00/M	UMK212F224ZD-T	
						±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	
			16	10µF	22µF	±80% / -20%	1.25	587-1308-1-ND	.88	5.20	15.00	587-1308-2-ND	3,000	14.00/M	UMK212F105ZG-T	
						±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	
			10	4.7µF	10µF	±80% / -20%	1.25	587-1311-1-ND	1.43	8.45	24.38	587-1311-2-ND	3,000	23.00/M	LМК212F475ZG-T	
						±80% / -20%	1.25	587-1312-1-ND	2.75	16.25	46.88	587-1312-2-ND	3,000	45.00/M	LМК212F106ZG-T	
	6.3		4.7µF	10µF	±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		
					±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		
	1206		630	1000pF	2200pF	±10%	1.15	587-1315-1-ND	5.97	35.30	101.81	587-1315-2-ND	3,000	98.00/M	SMK316B7102KF-T	
						±10%	1.15	587-1316-1-ND	5.97	35.30	101.81	587-1316-2-ND	3,000	98.00/M	SMK316B7222KF-T	
				100	10µF	22µF	±10%	1.6	587-1322-1-ND	6.27	37.05	106.88	587-1322-2-ND	2,000	103.00/M	HMK316B7104KL-T
							±10%	1.6	587-1323-1-ND	7.04	41.60	120.00	587-1323-2-ND	2,000	115.00/M	HMK316B7224KL-T
		50		2.2µF	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	
						±10%	1.6	587-1777-1-ND	8.25	48.75	140.63	587-1777-2-ND	2,000	135.00/M	HMK316B7105KL-T	
X7R		35	1.0µF	2.2µF	±10%	1.6	587-1324-1-ND	3.08	18.20	52.50	587-1324-2-ND	2,000	50.00/M	UMK316B7224KL-T		
					±10%	1.6	587-1325-1-ND	3.08	18.20	52.50	587-1325-2-ND	2,000	50.00/M	UMK316B7474KL-T		
		25	1.0µF	2.2µF	±10%	1.6	587-1326-1-ND	3.52	20.80	60.00	587-1326-2-ND	2,000	58.00/M	GМК316B7105KL-T		
					±10%	1.15	587-1327-1-ND	2.20	13.00	37.50	587-1327-2-ND	3,000	36.00/M	TMK316B7224KF-T		
		16	1.0µF	2.2µF	±10%	1.6	587-1328-1-ND	3.44	20.35	58.69	587-1328-2-ND	2,000	56.00/M	TMK316B7105KL-T		
					±10%	1.6	587-1329-1-ND	3.60	21.26	61.31	587-1329-2-ND	2,000	59.00/M	TMK316B7225KL-T		
X5R		16	1.0µF	2.2µF	±10%	1.6	587-1443-1-ND	15.95	94.25	271.88	587-1443-2-ND	2,000	261.00/M	TMK316B7475KL-T		
					±10%	1.15	587-1945-1-ND	2.31	13.65	39.38	587-1945-2-ND	3,000	38.00/M	EMK316B7105KF-T		
		10	4.7µF	10µF	±10%	1.6	587-1330-1-ND	3.52	20.80	60.00	587-1330-2-ND	2,000	58.00/M	EMK316B7225KL-T		
					±10%	1.6	587-1331-1-ND	2.73	16.12	46.50	587-1331-2-ND	2,000	45.00/M	EMK316B7475KL-TR		
		6.3	10µF	22µF	±10%	1.6	587-1332-1-ND	3.63	21.45	61.88	587-1332-2-ND	2,000	59.00/M	LМК316B7475KL-T		
					±10%	1.6	587-1333-1-ND	3.85	22.75	65.63	587-1333-2-ND	2,000	63.00/M	LМК316B7106KL-TR		
		X5S	6.3	10µF	22µF	±10%	1.6	587-1346-1-ND	4.40	26.00	75.00	587-1346-2-ND	2,000	72.00/M	JMK316B7106KL-T	
						±20%	1.6	587-1942-1-ND	4.40	26.00	75.00	587-1942-2-ND	2,000	72.00/M	JMK316B7106ML-T	
			250	2200pF	10µF	±10%	1.6	587-1334-1-ND	14.30	84.50	243.75	587-1334-2-ND	2,000	234.00/M	JMK316B7226ML-TR	
						±10%	1.6	587-1335-1-ND	6.71	39.65	114.38	587-1335-2-ND	2,000	110.00/M	SMK316B7223KL-T	
			X5V	250	10µF	22µF	±10%	1.6	587-1320-1-ND	6.71	39.65	114.38	587-1320-2-ND	2,000	110.00/M	QMK316B7104KL-T
							±10%	1.6	587-1962-1-ND	6.93	40.95	118.13	587-1962-2-ND	2,000	113.00/M	UMK316BJ475KL-T
50	4.7µF	10µF		±10%	0.85	587-1434-1-ND	3.04	17.94	51.75	587-1434-2-ND	4,000	50.00/M	TMK316B1105KD-T			
				±10%	1.6	587-1336-1-ND	5.61	33.15	95.63	587-1336-2-ND	2,000	92.00/M	TMK316BJ475KL-T			
16	1.0µF	2.2µF		±10%	1.6	587-1337-1-ND	6.05	35.75	103.13	587-1337-2-ND	2,000	99.00/M	TMK316BJ106KL-T			
				±10%	1.6	587-1338-1-ND	3.63	21.45	61.88	587-1338-2-ND	2,000	59.00/M	EMK316BJ475KL-T			
X7R	16	1.0µF	2.2µF	±10%	1.6	587-1339-1-ND	4.85	28.67	82.69	587-1339-2-ND	2,000	79.00/M	EMK316BJ106KL-T			
				±20%	1.6	587-1433-1-ND	28.60	169.00	487.50	587-1433-2-ND	2,000	468.00/M	EMK316BJ226ML-T			
	10	4.7µF	10µF	±10%	0.85	587-1340-1-ND	3.41	20.15	58.13	587-1340-2-ND	4,000	56.00/M	LМК316BJ475KD-T			
				±10%	0.85	587-1341-1-ND	4.40	26.00	75.00	587-1341-2-ND	4,000	72.00/M	LМК316BJ106KD-T			
	6.3	10µF	22µF	±10%	1.6	587-1342-1-ND	3.85	22.75	65.63	587-1342-2-ND	2,000	63.00/M	LМК316BJ106KL-T			
				±20%	1.6	587-1343-1-ND	13.20	78.00	225.00	587-1343-2-ND	2,000	216.00/M	LМК316BJ226ML-T			
1210	X7R	6.3	10µF	±10%	1.6	587-1780-1-ND	30.80	182.00	525.00	587-1780-2-ND	2,000	504.00/M	LМК316BJ476ML-T			
				±10%	1.15	587-1344-1-ND	4.00	23.66	68.25	587-1344-2-ND	3,000	66.00/M	JMK316B1106KF-T			
		100	1.0µF	2.2µF	±10%	0.85	587-1345-1-ND	4.51	26.65	76.88	587-1345-2-ND	4,000	74.00/M	JMK316B1106KD-T		
					±10%	1.6	587-1467-1-ND	14.30	84.50	243.75	587-1467-2-ND	2,000	234.00/M	JMK316BJ226KL-T		
		50	1.0µF	2.2µF	±10%	1.6	587-1347-1-ND	14.30	84.50	243.75	587-1347-2-ND	2,000	234.00/M	JMK316BJ226ML-T		
					±10%	1.6	587-1348-1-ND	27.50	162.50	468.75	587-1348-2-ND	2,000	450.00/M	JMK316BJ476ML-T		
	X7S	16	4.7µF	10µF	±10%	1.6	587-1963-1-ND	22.00	192.50	825.00	587-1963-2-ND	2,000	990.00/M	JMK316BJ107ML-T		
					±20%	1.6	587-1349-1-ND	60.50	357.50	1031.25	587-1349-2-ND	2,000	990.00/M	AMK316B1107ML-T		
		10	10µF	22µF	±10%	1.6	587-1350-1-ND	7.59	44.85	129.38	587-1350-2-ND	2,000	124.00/M	TMK316C106KL-T		
					±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		
		6.3	10µF	22µF	±80% / -20%	1.6	587-1352-1-ND	3.52	20.80	60.00	587-1352-2-ND	2,000	58.00/M	GМК316F106ZL-T		
					±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		
10	10µF	22µF	±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				
			±80% / -20%	1.15	587-1355-1-ND	2.42	14.30	41.25	587-1355-2-ND	3,000	40.00/M	LМК316F106ZF-T				
1210	X7R	6.3	10µF	±80% / -20%	1.6	587-1356-1-ND	7.15	42.25	121.88	587-1356-2-ND	2,000	117.00/M	LМК316F226ZL-T			
				±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			
		100	1.0µF	2.2µF	±10%	1.9	587-1358-1-ND	10.12	59.80	172.50	587-1358-2-ND	2,000	166.00/M	SMK325B7223KN-T		
					±10%	1.9	587-1360-1-ND	10.67	63.05	181.88	587-1360-2-ND	2,000	175.00/M	QMK325B7104KN-T		
		50	1.0µF	2.2µF	±10%	1.9	587-1363-1-ND	12.10	71.50	206.25	587-1363-2-ND	2,000	198.00/M			



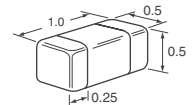
Size Code	Type	WV DC	Capacitance	Tolerance	Dimension T (mm)	Digi-Key Part No.	Cut Tape Pricing			Digi-Key Part No.	Tape and Reel		Taiyo Yuden Part No.	
							10	100	500		Qty.	Pricing		
1210	X5R	250	22µF	±10%	1.9	587-1361-1-ND	11.33	66.95	193.13	587-1361-2-ND	2,000	185.00/M	QMK325B7224KN-T	
			4.7µF	±20%	2.5	587-1964-1-ND	7.20	63.00	—	587-1964-2-ND	500	162.00	UMK325BJ475MM-T	
		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	GMK325BJ475MM-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	TMK325BJ106MM-T	
			22µF	±20%	2.5	587-2086-1-ND	16.28	96.20	—	587-2086-2-ND	500	133.00	TMK325BJ226MM-T	
		16	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	
			10µF	±20%	1.9	587-1470-1-ND	9.90	58.50	168.75	587-1470-2-ND	2,000	162.00/M	EMK325BJ106MM-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		
	10		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	LMK325BJ106MM-T		
		22µF	±20%	2.5	587-1381-1-ND	17.60	104.00	—	587-1381-2-ND	500	144.00	LMK325BJ226MM-T		
		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		
	6.3	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	JMK325BJ226MM-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		
		47µF	±20%	1.9	587-1440-1-ND	38.50	227.50	656.25	587-1440-2-ND	2,000	630.00/M	JMK325BJ476MM-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			
1812	X7R	50	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	
			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	
		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	
			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	
			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	
	X5R	630	47000pF	±10%	2.5	587-1398-1-ND	20.30	119.93	—	587-1398-2-ND	500	166.00	SMK432B7473KM-T	
			10µF	±10%	2.5	587-1399-1-ND	23.65	139.75	—	587-1399-2-ND	500	193.50	QMK432B7104KM-T	
		250	22µF	±10%	2.5	587-1400-1-ND	23.65	139.75	—	587-1400-2-ND	500	193.50	QMK432B7224KM-T	
			47µF	±10%	2.5	587-1402-1-ND	21.34	126.10	—	587-1402-2-ND	500	174.50	HMK432B7474KM-T	
		100	10µF	±10%	2.5	587-1403-1-ND	22.55	133.25	—	587-1403-2-ND	500	166.00	HMK432B7105KM-T	
			10µF	±10%	2.5	587-1405-1-ND	22.55	133.25	—	587-1405-2-ND	500	184.50	SMK432B7104KM-T	
X5R	630	10µF	±10%	2.5	587-1401-1-ND	25.30	149.50	—	587-1401-2-ND	500	207.00	QMK432B7474KM-T		
		22µF	±10%	2.5	587-1404-1-ND	23.98	141.70	—	587-1404-2-ND	500	196.00	HMK432B7225KM-T		
		16	22µF	±20%	2.5	587-1407-1-ND	22.00	130.00	—	587-1407-2-ND	500	180.00	EMK432BJ226MM-T	
			22µF	±10%	2.5	587-1472-1-ND	22.00	130.00	—	587-1472-2-ND	500	180.00	EMK432BJ226KM-T	
		10	22µF	±20%	2.5	587-1408-1-ND	20.90	123.50	—	587-1408-2-ND	500	171.00	LMK432BJ226MM-T	
			47µF	±20%	2.5	587-1409-1-ND	88.00	520.00	—	587-1409-2-ND	500	720.00	JMK432BJ476MM-T	
	X5S	50	10µF	±20%	2.5	587-1411-1-ND	19.80	117.00	—	587-1411-2-ND	500	162.00	UMK432C106MM-T	
			25µF	±20%	2.5	587-1412-1-ND	40.15	237.25	—	—	—	—	TMK432C226MM-T	
		Y5V	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-HIVOLTAP-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.
Operating Temperature Range: -55 ~ 125°C

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

Size Code	Type	WV DC	Capacitance (pF)	Tolerance	Digi-Key Part No.	Cut Tape Pricing			Digi-Key Part No.	Tape and Reel Pricing 10,000	Taiyo Yuden Part No.
						10	100	500			
0402	COG (NPO)	50	0.3	±0.1pF	587-1000-1-ND	1.65	9.75	28.13	587-1000-2-ND	27.00/M	UVK105CH0R3BW-F
			0.4		587-1001-1-ND	1.65	9.75	28.13	587-1001-2-ND	27.00/M	UVK105CH0R4BW-F
			0.5		587-1002-1-ND	1.65	9.75	28.13	587-1002-2-ND	27.00/M	UVK105CH0R5BW-F
			0.6	587-1003-1-ND	1.65	9.75	28.13	587-1003-2-ND	27.00/M	UVK105CH0R6BW-F	
			0.7	587-1004-1-ND	1.65	9.75	28.13	587-1004-2-ND	27.00/M	UVK105CH0R7BW-F	
			0.8	±0.1pF	587-1005-1-ND	1.65	9.75	28.13	587-1005-2-ND	27.00/M	UVK105CH0R8BW-F
			0.9		587-1006-1-ND	1.65	9.75	28.13	587-1006-2-ND	27.00/M	UVK105CH0R9BW-F
			1.0		587-1007-1-ND	1.65	9.75	28.13	587-1007-2-ND	27.00/M	UVK105CH010BW-F
			1.1	587-1008-1-ND	1.65	9.75	28.13	587-1008-2-ND	27.00/M	UVK105CH1R1BW-F	
			1.2	587-1009-1-ND	1.65	9.75	28.13	587-1009-2-ND	27.00/M	UVK105CH1R2BW-F	
			1.3	±0.1pF	587-1010-1-ND	1.65	9.75	28.13	587-1010-2-ND	27.00/M	UVK105CH1R3BW-F
			1.5		587-1011-1-ND	1.65	9.75	28.13	587-1011-2-ND	27.00/M	UVK105CH1R5BW-F
			1.6		587-1012-1-ND	1.65	9.75	28.13	587-1012-2-ND	27.00/M	UVK105CH1R6BW-F
			1.8		587-1013-1-ND	1.65	9.75	28.13	587-1013-2-ND	27.00/M	UVK105CH1R8BW-F
			2.0		587-1014-1-ND	1.65	9.75	28.13	587-1014-2-ND	27.00/M	UVK105CH020BW-F
			2.2	±5%	587-1015-1-ND	1.65	9.75	28.13	587-1015-2-ND	27.00/M	UVK105CH2R2JW-F
			2.4		587-1016-1-ND	1.65	9.75	28.13	587-1016-2-ND	27.00/M	UVK105CH2R4JW-F
			2.7		587-1017-1-ND	1.65	9.75	28.13	587-1017-2-ND	27.00/M	UVK105CH2R7JW-F
			3.0		587-1018-1-ND	1.65	9.75	28.13	587-1018-2-ND	27.00/M	UVK105CH030JW-F
			3.3		587-1019-1-ND	1.65	9.75	28.13	587-1019-2-ND	27.00/M	UVK105CH3R3JW-F
			3.6		587-1020-1-ND	1.65	9.75	28.13	587-1020-2-ND	27.00/M	UVK105CH3R6JW-F
			3.9		587-1021-1-ND	1.65	9.75	28.13	587-1021-2-ND	27.00/M	UVK105CH3R9JW-F
			4.3	±5%	587-1022-1-ND	1.65	9.75	28.13	587-1022-2-ND	27.00/M	UVK105CH4R3JW-F
			4.7		587-1023-1-ND	1.65	9.75	28.13	587-1023-2-ND	27.00/M	UVK105CH4R7JW-F
5.1	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

TAIYO YUDEN

Multilayer Ceramic Chip Capacitor Arrays

Features:

Internal electrode is nickel for increased cost performance and reliability

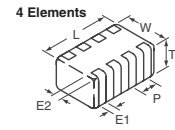
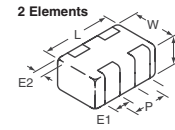
Applications:

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

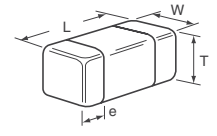
Super Low Distortion Multilayer Ceramic Capacitors (CFCAP)

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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