

Package Type	Inductance (nH)	Tolerance	Test Frequency (MHz)	Rate Current (mA)	Q (Min.)	DCR (Ω)	SRF Min. (MHz)	Digi-Key Part No.	Cut Tape Pricing			Digi-Key Part No.	Tape and Reel		Johanson Technology Part No.
									1	10	100		Qty.	Pricing	
0603	39	±5	100	300	10	.70	1,500	712-1441-1-ND*	.05	.41	3.23	712-1441-2-ND*	4,000	14.13/M	L-14C39NJV4T
	47	±5	100	300	12	.90	1,200	712-1442-1-ND*	.05	.41	3.23	712-1442-2-ND*	4,000	14.13/M	L-14C47NJV4T
	56	±5	100	300	12	1.00	1,100	712-1443-1-ND*	.05	.41	3.23	712-1443-2-ND*	4,000	14.13/M	L-14C56NJV4T
	68	±5	100	300	12	1.10	1,000	712-1444-1-ND*	.05	.41	3.23	712-1444-2-ND*	4,000	14.13/M	L-14C68NJV4T
	82	±5	100	300	12	1.20	850	712-1445-1-ND*	.05	.40	3.19	712-1445-2-ND*	4,000	13.98/M	L-14C82NJV4T
	100	±5	100	300	12	1.20	750	712-1446-1-ND*	.08	.65	5.18	712-1446-2-ND*	4,000	22.69/M	L-14CR10JV4T
	120	±5	50	300	8	1.30	700	712-1447-1-ND*	.08	.65	5.18	712-1447-2-ND*	4,000	22.69/M	L-14CR12JV4T
	150	±5	50	300	8	1.40	650	712-1448-1-ND*	.08	.65	5.18	712-1448-2-ND*	4,000	22.69/M	L-14CR15JV4T
	180	±5	50	300	8	1.50	550	712-1449-1-ND*	.08	.65	5.18	712-1449-2-ND*	4,000	22.69/M	L-14CR18JV4T
	220	±5	50	300	8	1.70	450	712-1450-1-ND*	.08	.65	5.18	712-1450-2-ND*	4,000	22.69/M	L-14CR22JV4T



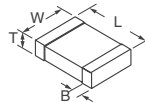
Multi-Layer High-Q Capacitors

These lines of multi-layer capacitors have been developed for High-Q and microwave applications.

S Series: R05S, R07S, R14S and R15S capacitors give an ultra-high Q performance and exhibit NPO temperature characteristics.

L Series: R05L capacitors give mid-high Q performance and exhibit NPO temperature characteristics.

Temperature Coefficient: 0 ±30ppm/°C, -55°C ~ 125°C



Mechanical Characteristics — Dimensions in mm			
Size Code	L	W	B
R05 (0201)	0.60 ±0.03	0.30 ±0.03	0.20 Max.
R07 (0402)	1.02 ±0.1	0.51 ±0.1	0.25 ±0.15
R14 (0603)	1.57 ±0.15	0.81 ±0.15	0.35 ±0.15
R15 (0805)	2.03 ±0.20	1.27 ±0.20	0.50 ±0.25

Size Code	Type	WV DC	Capacitance (pF)	Capacitance Tolerance	Dim. T (mm)	Digi-Key Part No.	Cut Tape Pricing			Digi-Key Part No.	Tape and Reel		Johanson Technology Part No.
							10	100	500		Qty.	Pricing	
0201	NPO	25	0.2	+/-0.05pF	0.30 ±0.03	712-1173-1-ND	1.12	6.61	19.06	712-1173-2-ND	15,000	18.15/M	250R05L0R2AV4T
			0.3	+/-0.05pF		712-1174-1-ND	1.12	6.61	19.06	712-1174-2-ND	15,000	18.15/M	250R05L0R3AV4T
			0.4	+/-0.05pF		712-1175-1-ND	1.12	6.61	19.06	712-1175-2-ND	15,000	18.15/M	250R05L0R4AV4T
			0.5	+/-0.05pF	712-1176-1-ND	1.12	6.61	19.06	712-1176-2-ND	15,000	18.15/M	250R05L0R5AV4T	
			0.6	+/-0.05pF	0.30 ±0.03	712-1177-1-ND	.72	4.25	12.25	712-1177-2-ND	15,000	11.62/M	250R05L0R6AV4T
			0.7	+/-0.05pF		712-1178-1-ND	1.00	5.90	17.02	712-1178-2-ND	15,000	16.70/M	250R05L0R7AV4T
			0.8	+/-0.05pF		712-1179-1-ND	1.00	5.90	17.02	712-1179-2-ND	15,000	16.70/M	250R05L0R8AV4T
			0.9	+/-0.05pF	0.30 ±0.03	712-1180-1-ND	1.00	5.90	17.02	712-1180-2-ND	15,000	16.70/M	250R05L0R9AV4T
			1.0	+/-0.05pF		712-1181-1-ND	1.00	5.90	17.02	712-1181-2-ND	15,000	16.70/M	250R05L1R0BV4T
			1.1	+/-0.05pF		712-1182-1-ND	1.00	5.90	17.02	712-1182-2-ND	15,000	16.70/M	250R05L1R1BV4T
			1.2	+/-0.05pF	0.30 ±0.03	712-1183-1-ND	1.00	5.90	17.02	712-1183-2-ND	15,000	16.70/M	250R05L1R2BV4T
			1.3	+/-0.05pF		712-1184-1-ND	1.00	5.90	17.02	712-1184-2-ND	15,000	16.70/M	250R05L1R3BV4T
			1.5	+/-0.05pF		712-1185-1-ND	1.00	5.90	17.02	712-1185-2-ND	15,000	16.70/M	250R05L1R5BV4T
			1.8	+/-0.05pF	0.30 ±0.03	712-1186-1-ND	1.00	5.90	17.02	712-1186-2-ND	15,000	16.70/M	250R05L1R8BV4T
			2.0	+/-0.05pF		712-1187-1-ND	1.52	8.97	25.87	712-1187-2-ND	15,000	24.69/M	250R05L2R0BV4T
			2.2	+/-0.05pF		712-1188-1-ND	1.52	8.97	25.87	712-1188-2-ND	15,000	24.69/M	250R05L2R2BV4T
			2.4	+/-0.05pF	0.30 ±0.03	712-1189-1-ND	1.52	8.97	25.87	712-1189-2-ND	15,000	24.69/M	250R05L2R4BV4T
			2.7	+/-0.05pF		712-1190-1-ND	1.52	8.97	25.87	712-1190-2-ND	15,000	24.69/M	250R05L2R7BV4T
			3.0	+/-0.05pF		712-1191-1-ND	1.52	8.97	25.87	712-1191-2-ND	15,000	24.69/M	250R05L3R0BV4T
			3.3	+/-0.05pF	0.30 ±0.03	712-1192-1-ND	1.52	8.97	25.87	712-1192-2-ND	15,000	24.69/M	250R05L3R3BV4T
			3.6	+/-0.05pF		712-1193-1-ND	.76	4.49	12.93	712-1193-2-ND	15,000	12.35/M	250R05L3R6CV4T
			3.6	+/-0.05pF		712-1469-1-ND	1.52	8.97	25.87	712-1469-2-ND	15,000	24.69/M	250R05L3R6BV4T
			3.9	+/-0.05pF	0.30 ±0.03	712-1194-1-ND	.76	4.49	12.93	712-1194-2-ND	15,000	12.35/M	250R05L3R9CV4T
			3.9	+/-0.05pF		712-1470-1-ND	1.52	8.97	25.87	712-1470-2-ND	15,000	24.69/M	250R05L3R9BV4T
			4.3	+/-0.05pF		712-1195-1-ND	.76	4.49	12.93	712-1195-2-ND	15,000	12.35/M	250R05L4R3CV4T
			4.3	+/-0.05pF	0.30 ±0.03	712-1471-1-ND	1.52	8.97	25.87	712-1471-2-ND	15,000	24.69/M	250R05L4R3BV4T
			4.7	+/-0.05pF		712-1196-1-ND	.76	4.49	12.93	712-1196-2-ND	15,000	12.35/M	250R05L4R7CV4T
			4.7	+/-0.05pF		712-1472-1-ND	1.52	8.97	25.87	712-1472-2-ND	15,000	24.69/M	250R05L4R7BV4T
			5.1	+/-0.05pF	0.30 ±0.03	712-1197-1-ND	.92	5.43	15.65	712-1197-2-ND	15,000	15.25/M	250R05L5R1CV4T
			5.6	+/-0.05pF		712-1198-1-ND	.92	5.43	15.65	712-1198-2-ND	15,000	15.25/M	250R05L5R6CV4T
			6.2	+/-0.05pF		712-1199-1-ND	.92	5.43	15.65	712-1199-2-ND	15,000	15.25/M	250R05L6R2CV4T
			6.8	+/-0.05pF	0.30 ±0.03	712-1200-1-ND	.92	5.43	15.65	712-1200-2-ND	15,000	15.25/M	250R05L6R8CV4T
			7.5	+/-0.05pF		712-1201-1-ND	.92	5.43	15.65	712-1201-2-ND	15,000	15.25/M	250R05L7R5CV4T
			8.2	+/-0.05pF		712-1202-1-ND	.92	5.43	15.65	712-1202-2-ND	15,000	15.25/M	250R05L8R2CV4T
			9.1	+/-0.05pF	0.30 ±0.03	712-1203-1-ND	.92	5.43	15.65	712-1203-2-ND	15,000	15.25/M	250R05L9R1CV4T
			10	±2%		712-1204-1-ND	1.52	8.97	25.87	712-1204-2-ND	15,000	24.69/M	250R05L100GV4T
			10	±5%		712-1205-1-ND	.76	4.49	12.93	712-1205-2-ND	15,000	12.35/M	250R05L100JV4T
			11	±2%	0.30 ±0.03	712-1206-1-ND	1.52	8.97	25.87	712-1206-2-ND	15,000	24.69/M	250R05L110GV4T
			11	±5%		712-1207-1-ND	.76	4.49	12.93	712-1207-2-ND	15,000	12.35/M	250R05L110JV4T
			12	±2%		712-1208-1-ND	1.52	8.97	25.87	712-1208-2-ND	15,000	24.69/M	250R05L120GV4T
			12	±5%	0.30 ±0.03	712-1209-1-ND	.76	4.49	12.93	712-1209-2-ND	15,000	12.35/M	250R05L120JV4T
			13	±2%		712-1210-1-ND	1.52	8.97	25.87	712-1210-2-ND	15,000	24.69/M	250R05L130GV4T
			13	±5%		712-1211-1-ND	.76	4.49	12.93	712-1211-2-ND	15,000	12.35/M	250R05L130JV4T
			15	±2%	0.30 ±0.03	712-1212-1-ND	1.52	8.97	25.87	712-1212-2-ND	15,000	24.69/M	250R05L150GV4T
			15	±5%		712-1213-1-ND	.76	4.49	12.93	712-1213-2-ND	15,000	12.35/M	250R05L150JV4T
			16	±2%		712-1214-1-ND	1.52	8.97	25.87	712-1214-2-ND	15,000	24.69/M	250R05L160GV4T
			16	±5%	0.30 ±0.03	712-1215-1-ND	.76	4.49	12.93	712-1215-2-ND	15,000	12.35/M	250R05L160JV4T
			18	±2%		712-1216-1-ND	1.52	8.97	25.87	712-1216-2-ND	15,000	24.69/M	250R05L180GV4T
18	±5%	712-1217-1-ND	.76	4.49		12.93	712-1217-2-ND	15,000	12.35/M	250R05L180JV4T			
20	±2%	0.30 ±0.03	712-1218-1-ND	1.52	8.97	25.87	712-1218-2-ND	15,000	24.69/M	250R05L200GV4T			
20	±5%		712-1219-1-ND	.76	4.49	12.93	712-1219-2-ND	15,000	12.35/M	250R05L200JV4T			
22	±2%		712-1220-1-ND	1.52	8.97	25.87	712-1220-2-ND	15,000	24.69/M	250R05L220GV4T			
22	±5%	0.30 ±0.03	712-1221-1-ND	.76	4.49	12.93	712-1221-2-ND	15,000	12.35/M	250R05L220JV4T			
27	±2%		712-1222-1-ND	1.52	8.97	25.87	712-1222-2-ND	15,000	24.69/M	250R05L270GV4T			
27	±5%		712-1223-1-ND	.76	4.49	12.93	712-1223-2-ND	15,000	12.35/M	250R05L270JV4T			
30	±2%	0.30 ±0.03	712-1224-1-ND	1.52	8.97	25.87	712-1224-2-ND	15,000	24.69/M	250R05L300GV4T			
30	±5%		712-1225-1-ND	.76	4.49	12.93	712-1225-2-ND	15,000	12.35/M	250R05L300JV4T			
33	±2%		712-1226-1-ND	1.52	8.97	25.87	712-1226-2-ND	15,000	24.69/M	250R05L330GV4T			
33	±5%	0.30 ±0.03	712-1227-1-ND	.76	4.49	12.93	712-1227-2-ND	15,000	12.35/M	250R05L330JV4T			
36	±2%		712-1228-1-ND	1.52	8.97	25.87	712-1228-2-ND	15,000	24.69/M	250R05L360GV4T			
36	±5%		712-1229-1-ND	.76	4.49	12.93	712-1229-2-ND	15,000	12.35/M	250R05L360JV4T			
39	±2%	0.30 ±0.03	712-1230-1-ND	1.52	8.97	25.87	712-1230-2-ND	15,000	24.69/M	250R05L390GV4T			
39	±5%		712-1231-1-ND	.76	4.49	12.93	712-1231-2-ND	15,000	12.35/M	250R05L390JV4T			

(Continued)

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.

Free shipping on orders over £50! All prices are in British pound sterling and include duties.

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Size Code	Type	WV DC	Capacitance (pF)	Capacitance Tolerance	Dim. T (mm)	Digi-Key Part No.	Cut Tape Pricing			Digi-Key Part No.	Tape and Reel		Johanson Technology Part No
							10	100	500		Qty.	Pricing	
0201	NPO	25	43	±2%	0.30 ±0.03	712-1232-1-ND	1.84	10.85	31.31	712-1232-ND	15,000	29.77/M	250R05L430GV4T
			43	±5%		712-1233-1-ND	.92	5.43	15.65	712-1233-ND	15,000	15.25/M	250R05L430JV4T
			47	±2%		712-1234-1-ND	1.84	10.85	31.31	712-1234-ND	15,000	29.77/M	250R05L470GV4T
			47	±5%		712-1235-1-ND	.92	5.43	15.65	712-1235-ND	15,000	15.25/M	250R05L470JV4T
			56	±2%		712-1236-1-ND	1.84	10.85	31.31	712-1236-ND	15,000	29.77/M	250R05L560GV4T
			56	±5%	712-1237-1-ND	.92	5.43	15.65	712-1237-ND	15,000	15.25/M	250R05L560JV4T	
			68	±2%	712-1238-1-ND	1.84	10.85	31.31	712-1238-ND	15,000	29.77/M	250R05L680GV4T	
			68	±5%	712-1239-1-ND	.92	5.43	15.65	712-1239-ND	15,000	15.25/M	250R05L680JV4T	
			82	±2%	712-1240-1-ND	1.84	10.85	31.31	712-1240-ND	15,000	29.77/M	250R05L820GV4T	
			82	±5%	712-1241-1-ND	.92	5.43	15.65	712-1241-ND	15,000	15.25/M	250R05L820JV4T	
			100	±2%	712-1242-1-ND	1.84	10.85	31.31	712-1242-ND	15,000	29.77/M	250R05L101GV4T	
			100	±5%	712-1243-1-ND	.92	5.43	15.65	712-1243-ND	15,000	15.25/M	250R05L101JV4T	
			30	±2%	712-1295-1-ND	3.17	18.73	54.03	712-1295-ND	10,000	51.55/M	250R07S300GV4T	
			30	±5%	712-1296-1-ND▼	1.41	8.33	24.02	712-1296-2-ND▼	10,000	23.24/M	250R07S300JV4T	
			33	±2%	712-1297-1-ND	3.17	18.73	54.03	712-1297-ND	10,000	51.55/M	250R07S330GV4T	
33	±5%	712-1298-1-ND	1.41	8.33	24.02	712-1298-2-ND	10,000	23.24/M	250R07S330JV4T				
0402	NPO (S Dielectric)	50	0.2	+/-0.05pF	0.51 ±0.1	712-1244-1-ND	1.23	7.29	21.02	712-1244-ND	10,000	20.33/M	500R07SOR2AV4T
			0.2	±0.10pF		712-1160-1-ND▼	.82	4.86	14.00	712-1160-2-ND▼	10,000	13.80/M	500R07SOR2BV4T
			0.3	+/-0.05pF		712-1245-1-ND	1.23	7.29	21.02	712-1245-ND	10,000	20.33/M	500R07SOR3AV4T
			0.3	±0.10pF		712-1161-1-ND§▼	.82	4.86	14.00	712-1161-2-ND§▼	10,000	13.80/M	500R07SOR3BV4T
			0.4	+/-0.05pF		712-1246-1-ND	1.23	7.29	21.02	712-1246-ND	10,000	20.33/M	500R07SOR4AV4T
			0.5	+/-0.05pF	712-1247-1-ND	1.23	7.29	21.02	712-1247-ND	10,000	20.33/M	500R07SOR5AV4T	
			0.5	±0.10pF	712-1162-1-ND§▼	.82	4.86	14.00	712-1162-2-ND§▼	10,000	13.80/M	500R07SOR5BV4T	
			0.6	+/-0.05pF	712-1248-1-ND	1.94	11.45	33.03	712-1248-ND	10,000	31.95/M	500R07SOR6AV4T	
			0.7	+/-0.05pF	712-1249-1-ND	1.94	11.45	33.03	712-1249-ND	10,000	31.95/M	500R07SOR7AV4T	
			0.7	±0.10pF	712-1163-1-ND▼	1.07	6.36	18.35	712-1163-2-ND▼	10,000	17.43/M	500R07SOR7BV4T	
			0.8	±0.10pF	712-1250-1-ND	1.07	6.36	18.35	712-1250-ND	10,000	17.43/M	500R07SOR8BV4T	
			0.9	±0.10pF	712-1251-1-ND▼	1.07	6.36	18.35	712-1251-2-ND▼	10,000	17.43/M	500R07SOR9BV4T	
			1.0	±0.10pF	712-1266-1-ND§▼	1.07	6.36	18.35	712-1266-2-ND§▼	10,000	17.43/M	500R07S1R0BV4T	
			1.1	±0.10pF	712-1267-1-ND	1.23	7.29	21.02	712-1267-ND	10,000	20.33/M	500R07S1R1BV4T	
			1.2	±0.10pF	712-1268-1-ND▼	1.23	7.29	21.02	712-1268-2-ND▼	10,000	20.33/M	500R07S1R2BV4T	
			1.3	±0.10pF	712-1269-1-ND	1.23	7.29	21.02	712-1269-ND	10,000	20.33/M	500R07S1R3BV4T	
			1.5	±0.10pF	712-1270-1-ND§▼	1.23	7.29	21.02	712-1270-2-ND§▼	10,000	20.33/M	500R07S1R5BV4T	
			1.8	±0.10pF	712-1271-1-ND§▼	1.23	7.29	21.02	712-1271-2-ND§▼	10,000	20.33/M	500R07S1R8BV4T	
			2.0	±0.10pF	712-1278-1-ND▼	1.20	7.08	20.42	712-1278-2-ND▼	10,000	19.61/M	500R07S2R0BV4T	
			2.2	±0.10pF	712-1279-1-ND§▼	2.16	12.74	36.76	712-1279-2-ND§▼	10,000	35.58/M	500R07S2R2BV4T	
			2.4	±0.10pF	712-1280-1-ND▼	2.16	12.74	36.76	712-1280-2-ND▼	10,000	35.58/M	500R07S2R4BV4T	
			2.7	±0.10pF	712-1281-1-ND§▼	2.16	12.74	36.76	712-1281-2-ND§▼	10,000	35.58/M	500R07S2R7BV4T	
			3.0	±0.10pF	712-1282-1-ND▼	2.16	12.74	36.76	712-1282-2-ND▼	10,000	35.58/M	500R07S2R8BV4T	
			3.3	±0.10pF	712-1283-1-ND§	2.16	12.74	36.76	712-1283-2-ND§	10,000	35.58/M	500R07S3R3BV4T	
			3.6	±0.10pF	712-1164-1-ND▼	2.16	12.74	36.76	712-1164-2-ND▼	10,000	35.58/M	500R07S3R6BV4T	
			3.6	±0.25pF	712-1284-1-ND	1.13	6.71	19.34	712-1284-ND	10,000	18.88/M	500R07S3R6CV4T	
			3.9	±0.10pF	712-1401-1-ND§	2.16	12.74	36.76	712-1401-2-ND§	10,000	35.58/M	500R07S3R9BV4T	
			3.9	±0.25pF	712-1285-1-ND	1.13	6.71	19.34	712-1285-ND	10,000	18.88/M	500R07S3R9CV4T	
			4.3	±0.10pF	712-1165-1-ND▼	2.16	12.74	36.76	712-1165-2-ND▼	10,000	35.58/M	500R07S4R3BV4T	
			4.3	±0.25pF	712-1286-1-ND	1.13	6.71	19.34	712-1286-ND	10,000	18.88/M	500R07S4R3CV4T	
			4.7	±0.10pF	712-1166-1-ND§▼	2.16	12.74	36.76	712-1166-2-ND§▼	10,000	35.58/M	500R07S4R7BV4T	
			4.7	±0.25pF	712-1287-1-ND	1.13	6.71	19.34	712-1287-ND	10,000	18.88/M	500R07S4R7CV4T	
			5.1	±0.25pF	712-1288-1-ND	1.41	8.33	24.02	712-1288-ND	10,000	23.24/M	500R07S5R1CV4T	
			5.6	±0.25pF	712-1289-1-ND§▼	1.41	8.33	24.02	712-1289-2-ND§▼	10,000	23.24/M	500R07S5R6CV4T	
			6.2	±0.25pF	712-1290-1-ND	1.41	8.33	24.02	712-1290-ND	10,000	23.24/M	500R07S6R2CV4T	
			6.8	±0.25pF	712-1291-1-ND§▼	1.41	8.33	24.02	712-1291-2-ND§▼	10,000	23.24/M	500R07S6R8CV4T	
			7.5	±0.25pF	712-1292-1-ND▼	1.41	8.33	24.02	712-1292-2-ND▼	10,000	23.24/M	500R07S7R5CV4T	
			8.2	±0.25pF	712-1293-1-ND§▼	1.41	8.33	24.02	712-1293-2-ND§▼	10,000	23.24/M	500R07S8R2CV4T	
			9.1	±0.25pF	712-1294-1-ND▼	1.41	8.33	24.02	712-1294-2-ND▼	10,000	23.24/M	500R07S9R1CV4T	
			10	±2%	712-1252-1-ND	3.17	18.73	54.03	712-1252-ND	10,000	51.55/M	500R07S100GV4T	
			10	±5%	712-1253-1-ND§▼	1.41	8.33	24.02	712-1253-2-ND§▼	10,000	23.24/M	500R07S100JV4T	
			11	±2%	712-1254-1-ND	3.17	18.73	54.03	712-1254-ND	10,000	51.55/M	500R07S110GV4T	
			11	±5%	712-1255-1-ND	1.41	8.33	24.02	712-1255-ND	10,000	23.24/M	500R07S110JV4T	
			12	±2%	712-1256-1-ND	3.17	18.73	54.03	712-1256-ND	10,000	51.55/M	500R07S120GV4T	
			12	±5%	712-1257-1-ND▼	1.41	8.33	24.02	712-1257-2-ND▼	10,000	23.24/M	500R07S120JV4T	
13	±2%	712-1258-1-ND	3.17	18.73	54.03	712-1258-ND	10,000	51.55/M	500R07S130GV4T				
13	±5%	712-1259-1-ND	1.41	8.33	24.02	712-1259-ND	10,000	23.24/M	500R07S130JV4T				
15	±2%	712-1260-1-ND	3.17	18.73	54.03	712-1260-ND	10,000	51.55/M	500R07S150GV4T				
15	±5%	712-1261-1-ND▼	1.41	8.33	24.02	712-1261-2-ND▼	10,000	23.24/M	500R07S150JV4T				
16	±2%	712-1262-1-ND	3.17	18.73	54.03	712-1262-ND	10,000	51.55/M	500R07S160GV4T				
16	±5%	712-1263-1-ND	1.41	8.33	24.02	712-1263-ND	10,000	23.24/M	500R07S160JV4T				
18	±2%	712-1264-1-ND	3.17	18.73	54.03	712-1264-ND	10,000	51.55/M	500R07S180GV4T				
18	±5%	712-1265-1-ND	1.41	8.33	24.02	712-1265-ND	10,000	23.24/M	500R07S180JV4T				
20	±2%	712-1272-1-ND	3.17	18.73	54.03	712-1272-ND	10,000	51.55/M	500R07S200GV4T				
20	±5%	712-1273-1-ND	1.41	8.33	24.02	712-1273-2-ND	10,000	23.24/M	500R07S200JV4T				
22	±2%	712-1274-1-ND	3.17	18.73	54.03	712-1274-ND	10,000	51.55/M	500R07S220GV4T				
22	±5%	712-1275-1-ND▼	1.41	8.33	24.02	712-1275-2-ND▼	10,000	23.24/M	500R07S220JV4T				
27	±2%	712-1276-1-ND	3.17	18.73	54.03	712-1276-ND	10,000	51.55/M	500R07S270GV4T				
27	±5%	712-1277-1-ND▼	1.41	8.33	24.02	712-1277-2-ND▼	10,000	23.24/M	500R07S270JV4T				
0603	NPO (S Dielectric)	250	0.2	+/-0.05pF	0.81	712-1299-1-ND	3.78	22.30	64.32	712-1299-ND	4,000	61.71/M	251R14S0R2AV4T
			0.3	+/-0.05pF		712-1300-1-ND	3.78	22.30	64.32	712-1300-ND	4,000	61.71/M	251R14S0R3AV4T
			0.3	±0.10pF		712-1167-1-ND★	1.89	11.15	32.17	712-1167-2-ND★	4,000	31.22/M	251R14S0R3BV4T
			0.4	+/-0.05pF		712-1301-1-ND	3.78	22.30	64.32	712-1301-ND	4,000	61.71/M	251R14S0R4AV4T
			0.5	+/-0.05pF		712-1302-1-ND	3.78	22.30	64.32	712-1302-ND	4,000	61.71/M	251R14S0R5AV4T
			0.5	±0.10pF	712-1168-1-ND★	1.89	11.15	32.17	712-1168-2-ND★	4,000	31.22/M	251R14S0R5BV4T	
			0.6	+/-0.05pF	712-1303-1-ND	3.78	22.30	64.32	712-1303-ND	4,000	61.71/M	251R14S0R6AV4T	
			0.7	+/-0.05pF	712-1304-1-ND	3.78	22.30	64.32	712-1304-ND	4,000	61.71/M	251R14S0R7AV4T	
			0.8	±0.10pF	712-1305-1-ND★	1.89	11.15	32.17	712-1305-2-ND★	4,000	31.22/M	251R14S0R8BV4T	
			0.9	±0.10pF	712-1306-1-ND	1.89	11.15	32.17	712-1306-2-ND	4,000	31.22/M	251R14S0R9BV4T	
			1.0	±0.10pF	712-1323-1-ND★	1.89	11.15	32.17	712-1323-2-ND★	4,000	31.22/M	251R14S1R0BV4T	
			1.1	±0.10pF	712-1324-1-ND	1.89	11.15	32.17					

B

Size Code	Type	WV DC	Capacitance (pF)	Capacitance Tolerance	Dim. T (mm)	Digi-Key Part No.	Cut Tape Pricing			Digi-Key Part No.	Tape and Reel		Johanson Technology Part No.
							10	100	500		Qty.	Pricing	
0603	NPO (S Dielectric)	250	2.7	±0.10pF	0.81	712-1338-1-ND★	2.58	15.29	44.10	712-1338-2-ND★	4,000	42.11/M	251R14S2R7BV4T
			3.0	±0.10pF		712-1347-1-ND	2.58	15.29	44.10	712-1347-2-ND	4,000	42.11/M	251R14S3R0BV4T
			3.3	±0.10pF		712-1348-1-ND★	2.58	15.29	44.10	712-1348-2-ND★	4,000	42.11/M	251R14S3R3BV4T
			3.6	±0.10pF		712-1170-1-ND★	2.58	15.29	44.10	712-1170-2-ND★	4,000	42.11/M	251R14S3R6BV4T
			3.6	±0.25pF		712-1349-1-ND	1.73	10.19	29.40	712-1349-2-ND	4,000	28.32/M	251R14S3R6CV4T
			3.9	±0.10pF	712-1171-1-ND★	2.58	15.29	44.10	712-1171-2-ND★	4,000	42.11/M	251R14S3R9BV4T	
			3.9	±0.25pF	712-1350-1-ND	1.73	10.19	29.40	712-1350-2-ND	4,000	28.32/M	251R14S3R9CV4T	
			4.3	±0.25pF	712-1355-1-ND	1.73	10.19	29.40	712-1355-2-ND	4,000	28.32/M	251R14S4R3CV4T	
			4.7	±0.10pF	712-1172-1-ND★	2.58	15.29	44.10	712-1172-2-ND★	4,000	42.11/M	251R14S4R7BV4T	
			4.7	±0.25pF	712-1356-1-ND	1.73	10.19	29.40	712-1356-2-ND	4,000	28.32/M	251R14S4R7CV4T	
			5.1	±0.25pF	712-1359-1-ND	2.37	14.02	40.43	712-1359-2-ND	4,000	38.48/M	251R14S5R1CV4T	
			5.6	±0.25pF	712-1360-1-ND★	2.37	14.02	40.43	712-1360-2-ND★	4,000	38.48/M	251R14S5R6CV4T	
			6.2	±0.25pF	712-1363-1-ND	2.37	14.02	40.43	712-1363-2-ND	4,000	38.48/M	251R14S6R2CV4T	
			6.8	±0.25pF	712-1364-1-ND★	2.37	14.02	40.43	712-1364-2-ND★	4,000	38.48/M	251R14S6R8CV4T	
			7.5	±0.25pF	712-1365-1-ND	2.37	14.02	40.43	712-1365-2-ND	4,000	38.48/M	251R14S7R5CV4T	
			8.2	±0.25pF	712-1368-1-ND★	2.37	14.02	40.43	712-1368-2-ND★	4,000	38.48/M	251R14S8R2CV4T	
			9.1	±0.25pF	712-1369-1-ND	2.37	14.02	40.43	712-1369-2-ND	4,000	38.48/M	251R14S9R1CV4T	
			10	±2%	712-1307-1-ND	5.05	29.82	86.00	712-1307-2-ND	4,000	82.77/M	251R14S100GV4T	
			10	±5%	712-1308-1-ND★	2.80	16.57	47.78	712-1308-2-ND★	4,000	45.74/M	251R14S100JV4T	
			11	±2%	712-1311-1-ND	5.05	29.82	86.00	712-1311-2-ND	4,000	82.77/M	251R14S110GV4T	
			11	±5%	712-1312-1-ND	2.80	16.57	47.78	712-1312-2-ND	4,000	45.74/M	251R14S110JV4T	
			12	±2%	712-1313-1-ND	5.05	29.82	86.00	712-1313-2-ND	4,000	82.77/M	251R14S120GV4T	
			12	±5%	712-1314-1-ND★	2.80	16.57	47.78	712-1314-2-ND★	4,000	45.74/M	251R14S120JV4T	
			13	±2%	712-1315-1-ND	5.05	29.82	86.00	712-1315-2-ND	4,000	82.77/M	251R14S130GV4T	
			13	±5%	712-1316-1-ND	2.80	16.57	47.78	712-1316-2-ND	4,000	45.74/M	251R14S130JV4T	
			15	±2%	712-1317-1-ND	5.05	29.82	86.03	712-1317-2-ND	4,000	82.77/M	251R14S150GV4T	
			15	±5%	712-1318-1-ND★	2.80	16.57	47.78	712-1318-2-ND★	4,000	45.74/M	251R14S150JV4T	
			16	±2%	712-1319-1-ND	5.05	29.82	86.00	712-1319-2-ND	4,000	82.77/M	251R14S160GV4T	
			16	±5%	712-1320-1-ND	2.80	16.57	47.78	712-1320-2-ND	4,000	45.74/M	251R14S160JV4T	
			18	±2%	712-1321-1-ND	5.05	29.82	86.00	712-1321-2-ND	4,000	82.77/M	251R14S180GV4T	
			18	±5%	712-1322-1-ND★	2.80	16.57	47.78	712-1322-2-ND★	4,000	45.74/M	251R14S180JV4T	
			20	±2%	712-1329-1-ND	5.05	29.82	86.00	712-1329-2-ND	4,000	82.77/M	251R14S200GV4T	
			20	±5%	712-1330-1-ND★	2.80	16.57	47.78	712-1330-2-ND★	4,000	45.74/M	251R14S200JV4T	
			22	±2%	712-1331-1-ND	5.05	29.82	86.00	712-1331-2-ND	4,000	82.77/M	251R14S220GV4T	
			22	±5%	712-1332-1-ND	2.80	16.57	47.78	712-1332-2-ND	4,000	45.74/M	251R14S220JV4T	
			24	±5%	712-1169-1-ND★	3.38	19.97	57.58	712-1169-2-ND★	4,000	55.18/M	251R14S240JV4T	
			27	±2%	712-1333-1-ND	6.08	35.93	103.64	712-1333-2-ND	4,000	99.47/M	251R14S270GV4T	
			27	±5%	712-1334-1-ND★	3.38	19.97	57.58	712-1334-2-ND★	4,000	55.18/M	251R14S270JV4T	
			30	±2%	712-1339-1-ND	6.08	35.93	103.64	712-1339-2-ND	4,000	99.47/M	251R14S300GV4T	
			30	±5%	712-1340-1-ND	3.38	19.97	57.58	712-1340-2-ND	4,000	55.18/M	251R14S300JV4T	
			33	±2%	712-1341-1-ND	6.08	35.93	103.64	712-1341-2-ND	4,000	99.47/M	251R14S330GV4T	
			33	±5%	712-1342-1-ND★	3.38	19.97	57.58	712-1342-2-ND★	4,000	55.18/M	251R14S330JV4T	
			36	±2%	712-1343-1-ND	6.08	35.93	103.64	712-1343-2-ND	4,000	99.47/M	251R14S360GV4T	
			36	±5%	712-1344-1-ND	3.38	19.97	57.58	712-1344-2-ND	4,000	55.18/M	251R14S360JV4T	
			39	±2%	712-1345-1-ND	6.08	35.93	103.64	712-1345-2-ND	4,000	99.47/M	251R14S390GV4T	
			39	±5%	712-1346-1-ND★	3.38	19.97	57.58	712-1346-2-ND★	4,000	55.18/M	251R14S390JV4T	
			43	±2%	712-1351-1-ND	6.08	35.93	103.64	712-1351-2-ND	4,000	99.47/M	251R14S430GV4T	
			43	±5%	712-1352-1-ND	3.38	19.97	57.58	712-1352-2-ND	4,000	55.18/M	251R14S430JV4T	
			47	±2%	712-1353-1-ND	6.08	35.93	103.64	712-1353-2-ND	4,000	99.47/M	251R14S470GV4T	
			47	±5%	712-1354-1-ND★	3.38	19.97	57.58	712-1354-2-ND★	4,000	55.18/M	251R14S470JV4T	
56	±2%	712-1357-1-ND	7.27	42.94	123.88	712-1357-2-ND	4,000	119.07/M	251R14S560GV4T				
56	±5%	712-1358-1-ND	3.99	23.60	68.06	712-1358-2-ND	4,000	65.34/M	251R14S560JV4T				
68	±2%	712-1361-1-ND	7.27	42.94	123.88	712-1361-2-ND	4,000	119.07/M	251R14S680GV4T				
68	±5%	712-1362-1-ND★	3.99	23.60	68.06	712-1362-2-ND★	4,000	65.34/M	251R14S680JV4T				
82	±2%	712-1366-1-ND	7.27	42.94	123.88	712-1366-2-ND	4,000	119.07/M	251R14S820GV4T				
82	±5%	712-1367-1-ND★	3.99	23.60	68.06	712-1367-2-ND★	4,000	65.34/M	251R14S820JV4T				
100	±2%	712-1309-1-ND	7.27	42.94	123.88	712-1309-2-ND	4,000	119.07/M	251R14S101GV4T				
100	±5%	712-1310-1-ND	3.99	23.60	68.06	712-1310-2-ND	4,000	65.34/M	251R14S101JV4T				
0805	NPO (S Dielectric)	250	4.7	±0.10pF	1.02 ±0.15	712-1371-1-ND0	4.23	25.01	72.15	712-1371-2-ND0	4,000	68.97/M	251R15S4R7BV4E
			5.6	±0.25pF		712-1372-1-ND0	2.40	14.16	40.84	712-1372-2-ND0	4,000	39.21/M	251R15S5R6CV4E
			6.8	±0.25pF		712-1373-1-ND0	2.95	17.46	50.37	712-1373-2-ND0	4,000	48.65/M	251R15S6R8CV4E
			7.5	±0.25pF		712-1374-1-ND0	2.95	17.46	50.37	712-1374-2-ND0	4,000	48.65/M	251R15S7R5CV4E
			8.2	±0.25pF		712-1375-1-ND0	2.95	17.46	50.37	712-1375-2-ND0	4,000	48.65/M	251R15S8R2CV4E
			9.1	±0.25pF	712-1376-1-ND0	2.95	17.46	50.37	712-1376-2-ND0	4,000	48.65/M	251R15S9R1CV4E	
			10	±5%	712-1377-1-ND0	3.11	18.40	53.09	712-1377-2-ND0	4,000	50.82/M	251R15S100JV4E	
			12	±5%	712-1378-1-ND0	3.11	18.40	53.09	712-1378-2-ND0	4,000	50.82/M	251R15S120JV4E	
			15	±5%	712-1379-1-ND0	3.11	18.40	53.09	712-1379-2-ND0	4,000	50.82/M	251R15S150JV4E	
			18	±5%	712-1380-1-ND0	3.11	18.40	53.09	712-1380-2-ND0	4,000	50.82/M	251R15S180JV4E	
			20	±5%	712-1381-1-ND0	3.35	19.82	57.17	712-1381-2-ND0	4,000	55.18/M	251R15S200JV4E	
			22	±5%	712-1382-1-ND0	3.35	19.82	57.17	712-1382-2-ND0	4,000	55.18/M	251R15S220JV4E	
			24	±5%	712-1383-1-ND0	3.35	19.82	57.17	712-1383-2-ND0	4,000	55.18/M	251R15S240JV4E	
			27	±5%	712-1384-1-ND0	3.35	19.82	57.17	712-1384-2-ND0	4,000	55.18/M	251R15S270JV4E	
			30	±5%	712-1385-1-ND0	3.35	19.82	57.17	712-1385-2-ND0	4,000	55.18/M	251R15S300JV4E	
			33	±5%	712-1386-1-ND0	3.35	19.82	57.17	712-1386-2-ND0	4,000	55.18/M	251R15S330JV4E	
			36	±5%	712-1387-1-ND0	3.35	19.82	57.17	712-1387-2-ND0	4,000	55.18/M	251R15S360JV4E	
			39	±5%	712-1388-1-ND0	3.35	19.82	57.17	712-1388-2-ND0	4,000	55.18/M	251R15S390JV4E	
			43	±5%	712-1389-1-ND0	3.35	19.82	57.17	712-1389-2-ND0	4,000	55.18/M	251R15S430JV4E	
			47	±5%	712-1390-1-ND0	3.35	19.82	57.17	712-1390-2-ND0	4,000	55.18/M	251R15S470JV4E	
56	±5%	712-1391-1-ND0	3.75	22.18	63.98	712-1391-2-ND0	4,000	61.71/M	251R15S560JV4E				
68	±5%	712-1392-1-ND0	3.75	22.18	63.98	712-1392-2-ND0	4,000	61.71/M	251R15S680JV4E				
82	±5%	712-1393-1-ND0	3.75	22.18	63.98	712-1393-2-ND0	4,000	61.71/M	251R15S820JV4E				
100	±5%	712-1394-1-ND0	3.75	22.18	63.98	712-1394-2-ND0	4,000	61.71/M	251R15S101JV4E				
120	±5%	712-1395-1-ND0	4.47	26.43	76.23	712-1395-2-ND0	4,000	73.33/M	251R15S121JV4E				
150	±5%	712-1396-1-ND0	4.47	26.43	76.23	712-1396-2-ND0	4,000	73.33/M	251R15S151JV4E				
180	±5%	712-1397-1-ND0	4.79	28.31	81.68	712-1397-2-ND0	4,000	78.41/M	251R15S181JV4E				
220	±5%	712-1398-1-ND0	4.79	28.31	81.68	712-1398-2-ND0	4,000	78.41/M	251R15S221JV4E				

Designer Kits

▼ 712-1158-ND	High-Q Capacitors 0402 S Series Designer Kits, 20 pieces each of parts denoted (560 Total Pieces).....	43.56
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