

C-Series to S-Series Cross Reference

The Johanson Technology (JTI) C-Series capacitor product line does not meet the Reduction of Hazardous Substances (RoHS) specification because these products contain a small amount of Cadmium (Cd). Because of this, we are phasing out the C-Series product line in 2005. We suggest that all customers quickly transition to the JTI S-Series capacitor product line because this line is completely RoHS compliant. We will support customers throughout this transition period.

The C-Series capacitors can be identified by the seventh (7th) letter in the part number. Any part number with a "C" in the 7th position, is a C-Series product. For further clarifications on JTI C-Series part numbering, please [click here](#). JTI Products with any other letter or number in the 7th position are not affected by this change.

The S-Series parts will drop in where the C-Series parts have been used previously, and in addition, the S-Series parts will exhibit superior ESR/Q characteristics. The 0402 and 0603 size cross references are shown on the following pages, as they are available now. The 0805 S-Series will be available 1Q 2005.

Capacitance values in between those shown here are all available in S-Series parts, as they were previously with C-Series parts.

This guide provides the necessary information to derive an equivalent Johanson Technology S-Series part number from a C-Series part number. There may be small differences in characteristics such as SRF, and in addition the superior ESR/Q of the S-Series may require re-tuning of the application for optimum performance. Critical characteristics should be evaluated on an in circuit basis and be specified in a source control drawing.



C-SERIES TO S-SERIES CROSS REFERENCE: 0402 SIZE

SIZE	VALUE (PF)	C-SERIES PART NUMBER	S-SERIES PART NUMBER
0402	0.2	250R07C0R2@V4#	500R07S0R2@V4#
0402	0.3	250R07C0R3@V4#	500R07S0R3@V4#
0402	0.4	250R07C0R4@V4#	500R07S0R4@V4#
0402	0.5	250R07C0R5@V4#	500R07S0R5@V4#
0402	0.6	250R07C0R6@V4#	500R07S0R6@V4#
0402	0.7	250R07C0R7@V4#	500R07S0R7@V4#
0402	0.8	250R07C0R8@V4#	500R07S0R8@V4#
0402	0.9	250R07C0R9@V4#	500R07S0R9@V4#
0402	1.0	250R07C1R0@V4#	500R07S1R0@V4#
0402	1.1	250R07C1R1@V4#	500R07S1R1@V4#
0402	1.2	250R07C1R2@V4#	500R07S1R2@V4#
0402	1.3	250R07C1R3@V4#	500R07S1R3@V4#
0402	1.5	250R07C1R5@V4#	500R07S1R5@V4#
0402	1.8	250R07C1R8@V4#	500R07S1R8@V4#
0402	2.0	250R07C2R0@V4#	500R07S2R0@V4#
0402	2.2	250R07C2R2@V4#	500R07S2R2@V4#
0402	2.4	250R07C2R4@V4#	500R07S2R4@V4#
0402	2.7	250R07C2R7@V4#	500R07S2R7@V4#
0402	3.0	250R07C3R0@V4#	500R07S3R0@V4#
0402	3.3	250R07C3R3@V4#	500R07S3R3@V4#
0402	3.6	250R07C3R6@V4#	500R07S3R6@V4#
0402	3.9	250R07C3R9@V4#	500R07S3R9@V4#
0402	4.3	250R07C4R3@V4#	500R07S4R3@V4#
0402	4.7	250R07C4R7@V4#	500R07S4R7@V4#

C-SERIES TO S-SERIES CROSS REFERENCE: 0402 SIZE

SIZE	VALUE (PF)	C-SERIES PART NUMBER	S-SERIES PART NUMBER
0402	5.1	250R07C5R1@V4#	500R07S5R1@V4#
0402	5.6	250R07C5R6@V4#	500R07S5R6@V4#
0402	6.2	250R07C6R2@V4#	500R07S6R2@V4#
0402	6.8	250R07C6R8@V4#	500R07S6R8@V4#
0402	7.5	250R07C7R5@V4#	500R07S7R5@V4#
0402	8.2	250R07C8R2@V4#	500R07S8R2@V4#
0402	9.1	250R07C9R1@V4#	500R07S9R1@V4#
0402	10	250R07C100@V4#	500R07S100@V4#
0402	11	250R07C110@V4#	500R07S110@V4#
0402	12	250R07C120@V4#	500R07S120@V4#
0402	13	250R07C130@V4#	500R07S130@V4#
0402	15	250R07C150@V4#	500R07S150@V4#
0402	16	N/A	500R07S160@V4#
0402	18	N/A	500R07S180@V4#
0402	20	N/A	500R07S200@V4#
0402	22	N/A	500R07S220@V4#
0402	24	N/A	500R07S240@V4#
0402	27	N/A	500R07S270@V4#
0402	30	N/A	250R07S300@V4#
0402	33	N/A	250R07S330@V4#

C-SERIES TO S-SERIES CROSS REFERENCE: 0603 SIZE

SIZE	VALUE (PF)	C-SERIES PART NUMBER	S-SERIES PART NUMBER
0603	0.2	201R14C0R2@V4#	251R14S0R2@V4#
0603	0.3	201R14C0R3@V4#	251R14S0R3@V4#
0603	0.4	201R14C0R4@V4#	251R14S0R4@V4#
0603	0.5	201R14C0R5@V4#	251R14S0R5@V4#
0603	0.6	201R14C0R6@V4#	251R14S0R6@V4#
0603	0.7	201R14C0R7@V4#	251R14S0R7@V4#
0603	0.8	201R14C0R8@V4#	251R14S0R8@V4#
0603	0.9	201R14C0R9@V4#	251R14S0R9@V4#
0603	1.0	201R14C1R0@V4#	251R14S1R0@V4#
0603	1.1	201R14C1R1@V4#	251R14S1R1@V4#
0603	1.2	201R14C1R2@V4#	251R14S1R2@V4#
0603	1.3	201R14C1R3@V4#	251R14S1R3@V4#
0603	1.5	201R14C1R5@V4#	251R14S1R5@V4#
0603	1.8	201R14C1R8@V4#	251R14S1R8@V4#
0603	2.0	201R14C2R0@V4#	251R14S2R0@V4#
0603	2.2	201R14C2R2@V4#	251R14S2R2@V4#
0603	2.4	201R14C2R4@V4#	251R14S2R4@V4#
0603	2.7	201R14C2R7@V4#	251R14S2R7@V4#
0603	3.0	201R14C3R0@V4#	251R14S3R0@V4#
0603	3.3	201R14C3R3@V4#	251R14S3R3@V4#
0603	3.6	201R14C3R6@V4#	251R14S3R6@V4#
0603	3.9	201R14C3R9@V4#	251R14S3R9@V4#
0603	4.3	201R14C4R3@V4#	251R14S4R3@V4#
0603	4.7	201R14C4R7@V4#	251R14S4R7@V4#

C-SERIES TO S-SERIES CROSS REFERENCE: 0603 SIZE

SIZE	VALUE (PF)	C-SERIES PART NUMBER	S-SERIES PART NUMBER
0603	5.1	201R14C5R1@V4#	251R14S5R1@V4#
0603	5.6	201R14C5R6@V4#	251R14S5R6@V4#
0603	6.2	201R14C6R2@V4#	251R14S6R2@V4#
0603	6.8	201R14C6R8@V4#	251R14S6R8@V4#
0603	7.5	201R14C7R5@V4#	251R14S7R5@V4#
0603	8.2	201R14C8R2@V4#	251R14S8R2@V4#
0603	9.1	201R14C9R1@V4#	251R14S9R1@V4#
0603	10	201R14C100@V4#	251R14S100@V4#
0603	11	201R14C110@V4#	251R14S110@V4#
0603	12	201R14C120@V4#	251R14S120@V4#
0603	13	201R14C130@V4#	251R14S130@V4#
0603	15	201R14C150@V4#	251R14S150@V4#
0603	16	201R14C160@V4#	251R14S160@V4#
0603	18	201R14C180@V4#	251R14S180@V4#
0603	20	201R14C200@V4#	251R14S200@V4#
0603	22	101R14C220@V4#	251R14S220@V4#
0603	24	101R14C240@V4#	251R14S240@V4#
0603	27	101R14C270@V4#	251R14S270@V4#
0603	30	101R14C300@V4#	251R14S300@V4#
0603	33	101R14C330@V4#	251R14S330@V4#
0603	36	101R14C360@V4#	251R14S360@V4#
0603	39	101R14C390@V4#	251R14S390@V4#
0603	43	101R14C430@V4#	251R14S430@V4#
0603	47	101R14C470@V4#	251R14S470@V4#

C-SERIES TO S-SERIES CROSS REFERENCE: 0603 SIZE

SIZE	VALUE (PF)	C-SERIES PART NUMBER	S-SERIES PART NUMBER
0603	56	N/A	251R14S560@V4#
0603	68	N/A	251R14S680@V4#
0603	82	N/A	251R14S820@V4#
0603	100	N/A	251R14S101@V4#