

SMD Wire Wound Ceramic Chip Inductors - CS 0402 Series

Electrical Characteristics

Part Number	Inductance (nH)	Tolerance (±%)	Q Min	900MHz		1.7GHz		SRF (GHz) Min	Rdc () Max	Irms (mA) Max	
				L Typ	Q Typ	L Typ	Q Typ				
CS0402-1N0	-S	1.0	10 / 5	16	1.02	77	1.02	69	12.70	0.045	1360
CS0402-1N9	-S	1.9	10 / 5	16	1.72	68	1.74	82	11.30	0.070	1040
CS0402-2N0	-S	2.0	10 / 5	16	1.93	54	1.93	75	11.10	0.070	1040
CS0402-2N2	-S	2.2	10 / 5	19	2.19	59	2.23	100	10.80	0.070	960
CS0402-2N4	-S	2.4	10 / 5	15	2.24	51	2.27	68	10.50	0.068	790
CS0402-2N7	-S	2.7	10 / 5	16	2.58	42	2.60	61	10.40	0.120	640
CS0402-3N3	-S	3.3	10 / 5	19	3.10	65	3.12	87	7.00	0.066	840
CS0402-3N6	-S	3.6	10 / 5	19	3.56	45	3.62	71	6.80	0.066	840
CS0402-3N9	-S	3.9	10 / 5	19	3.89	50	4.00	75	6.00	0.066	840
CS0402-4N3	-S	4.3	10 / 5	18	4.19	47	4.30	71	6.00	0.091	700
CS0402-4N7	-S	4.7	10 / 5	15	4.55	48	4.68	68	4.77	0.130	640
CS0402-5N1	-S	5.1	10 / 5	20	5.15	56	5.25	82	4.80	0.083	800
CS0402-5N6	-S	5.6	10 / 5	20	5.16	54	5.28	81	4.80	0.083	760
CS0402-6N2	-S	6.2	10 / 5	20	6.16	52	6.37	76	4.80	0.083	760
CS0402-6N8	-S	6.8	10 / 5	20	6.56	63	6.93	78	4.80	0.083	680
CS0402-7N5	-S	7.5	10 / 5	22	7.91	60	8.22	88	4.80	0.10	680
CS0402-8N2	-S	8.2	10 / 5	22	8.50	57	8.85	84	4.40	0.10	680
CS0402-8N7	-S	8.7	10 / 5	18	8.78	54	9.21	73	4.10	0.20	480
CS0402-9N0	-S	9.0	10 / 5	22	9.07	62	9.53	78	4.16	0.10	680
CS0402-9N5	-S	9.5	10 / 5	18	9.42	54	9.98	69	4.00	0.20	480
CS0402-10N	-S	10.0	10 / 5	21	9.8	50	10.10	67	3.90	0.20	480
CS0402-11N	-S	11.0	10 / 5	24	10.7	52	11.20	78	3.68	0.12	640
CS0402-12N	-S	12.0	10 / 5	24	11.9	53	12.70	71	3.60	0.12	640
CS0402-13N	-S	13.0	10 / 5	24	13.4	51	14.63	57	3.45	0.21	440
CS0402-15N	-S	15.0	10 / 5	24	14.6	55	15.50	77	3.28	0.17	560
CS0402-16N	-S	16.0	10 / 5	24	16.6	46	18.86	47	3.10	0.22	560
CS0402-18N	-S	18.0	10 / 5	25	18.3	57	20.28	62	3.10	0.23	420
CS0402-19N	-S	19.0	10 / 5	24	19.1	50	21.10	67	3.04	0.20	480
CS0402-20N	-S	20.0	10 / 5	25	20.7	52	23.66	53	3.00	0.25	420
CS0402-22N	-S	22.0	10 / 5	25	23.2	53	26.75	53	2.80	0.30	400
CS0402-23N	-S	23.0	10 / 5	22	23.8	49	26.90	64	2.72	0.30	400
CS0402-24N	-S	24.0	10 / 5	25	25.1	51	29.50	50	2.70	0.30	400
CS0402-27N	-S	27.0	10 / 5	24	28.7	49	33.50	63	2.48	0.30	400
CS0402-30N	-S	30.0	10 / 5	25	31.1	46	38.50	39	2.35	0.35	400
CS0402-33N	-S	33.0	10 / 5	24	34.9	31	41.74	32	2.35	0.40	400
CS0402-36N	-S	36.0	10 / 5	24	39.5	44	48.40	53	2.32	0.44	320
CS0402-39N	-S	39.0	10 / 5	25	41.7	47	50.23	45	2.10	0.55	200
CS0402-40N	-S	40.0	10 / 5	24	39.0	44	47.40	33	2.24	0.44	320
CS0402-43N	-S	43.0	10 / 5	25	45.8	46	61.55	34	2.03	0.81	100
CS0402-47N	-S	47.0	10 / 5	20	50.0	38	-	-	2.10	0.83	150
CS0402-51N	-S	51.0	10 / 5	25	56.6	40	-	-	1.75	0.82	100
CS0402-56N	-S	56.0	10 / 5	22	62.8	42	-	-	1.76	0.97	100
CS0402-68N	-S	68.0	10 / 5	22	78.2	36	-	-	1.62	1.12	100
CS0402-82N	-S	82.0	10 / 5	20	-	-	-	-	1.26	1.55	50
CS0402-R10	-S	100.0	10 / 5	20	-	-	-	-	1.16	2.00	30

- When ordering, please specify tolerance and packaging codes.
- Tolerance : J = ±5% , K = ±10%
- Packaging : Clear tape and reel { standard }.
- L , Q : Agilent/HP4291A+Agilent/HP16197A @250MHz
- SRF : Agilent/HP8753D / Agilent/HP8722ES
- Rdc : CH502BC/HP4338B
- Irms for a 15 rise above 25 ambient.

