



**Operating Temperature Range** ..... -55°C to +105°C  
**Ambient Temperature** ..... 90°C  
**Inductance Tolerance** ..... ±10% across inductance range  
**Shielding** ..... less than 3% coupling  
 ..... units side by side @ 1KHz  
**Incremental Current** ..... DC current causes 5% reduction in inductance  
**Packaging** ..... bulk, or tape and reel  
**Commercial Equivalents to** ..... MIL-C-15305, MS75087,  
 ..... MS75088, MS75089

Part Number	L (µH)	Q min.	Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Curr. max(mA) RatedDC	Curr. max(mA) Incr.*	Part Number	L (µH)	Q min.	Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Curr. max(mA) RatedDC	Curr. max(mA) Incr.*
1641SR10K	.10	50	25	250	.025	1790	1790	1641S121K	120	55	.79	9.7	3.60	150	95
1641SR12K	.12	51	25	250	.034	1530	1530	1641S151K	150	55	.79	8.5	4.10	140	90
1641SR15K	.15	51	25	250	.037	1470	1470	1641S181K	180	55	.79	8.0	4.40	135	85
1641SR18K	.18	50	25	250	.047	1300	1300	1641S221K	220	55	.79	7.5	5.00	125	80
1641SR22K	.22	49	25	250	.067	1100	1100	1641S271K	270	55	.79	7.0	5.80	115	70
1641SR27K	.27	47	25	250	.11	855	855	1641S331K	330	55	.79	6.5	6.40	110	65
1641SR33K	.33	46	25	250	.13	780	780	1641S391K	390	60	.79	6.2	7.40	105	60
1641SR39K	.39	44	25	250	.18	670	670	1641S471K	470	60	.79	5.7	9.50	92	58
1641SR47K	.47	44	25	235	.25	565	565	1641S561K	560	60	.79	4.7	10.5	90	55
1641SR56K	.56	43	25	210	.33	490	490	1641S681K	680	60	.79	4.5	11.8	80	50
1641SR68K	.68	42	25	190	.45	420	420	1641S821K	820	60	.79	4.2	13.0	80	45
1641SR82K	.82	40	25	180	.59	370	370	1641S102K	1000	60	.79	3.8	17.5	70	40
1641SR10K	1.0	44	25	140	.07	1070	1070	1641S122K	1200	45	.25	1.5	22.1	60	35
1641SR2K	1.2	44	7.9	130	.10	895	895	1641S152K	1500	45	.25	1.2	26.5	55	33
1641SR5K	1.5	44	7.9	115	.12	815	815	1641S182K	1800	45	.25	1.0	29.9	50	30
1641SR8K	1.8	44	7.9	105	.14	775	775	1641S222K	2200	45	.25	.97	33.8	50	27
1641S2R2K	2.2	44	7.9	100	.19	650	650	1641S272K	2700	45	.25	.92	47.3	40	25
1641S2R7K	2.7	44	7.9	92	.28	535	535	1641S332K	3300	45	.25	.84	53.0	40	22
1641S3R3K	3.3	44	7.9	85	.35	480	480	1641S392K	3900	45	.25	.80	73.8	35	20
1641S3R9K	3.9	44	7.9	75	.40	450	450	1641S472K	4700	45	.25	.74	81.6	31	19
1641S4R7K	4.7	44	7.9	70	.55	380	380	1641S562K	5600	44	.25	.73	98.9	28	17
1641S5R6K	5.6	44	7.9	65	.72	335	335	1641S682K	6800	40	.25	.66	111.0	27	16
1641S6R8K	6.8	50	7.9	55	1.02	280	280	1641S822K	8200	40	.25	.54	119.0	26	15
1641S8R2K	8.2	50	7.9	50	1.32	250	250	1641S103K	10000	40	.25	.47	137.0	24	14
1641S100K	10	50	7.9	46	1.62	220	220	1641S123K	12000	30	.079	.33	143.0	23	13
1641S120K	12	55	2.5	44	2.00	200	200	1641S153K	15000	30	.079	.29	157.0	22	12
1641S150K	15	45	2.5	49	.80	315	250	1641S183K	18000	30	.079	.28	175.0	21	10
1641S180K	18	45	2.5	45	.89	300	235	1641S223K	22000	27	.079	.25	274.0	17	9
1641S220K	22	45	2.5	41	.96	290	220	1641S273K	27000	27	.079	.21	308.0	16	8
1641S270K	27	45	2.5	38	1.19	260	200	1641S333K	33000	27	.079	.19	343.0	15	7.5
1641S330K	33	45	2.5	34	1.37	240	190	1641S393K	39000	27	.079	.17	376.0	15	6.0
1641S390K	39	50	2.5	29	1.93	205	180	1641S473K	47000	23	.079	.16	473.0	13	5.5
1641S470K	47	50	2.5	27	2.11	195	175	1641S563K	56000	23	.079	.14	512.0	13	5.0
1641S560K	56	50	2.5	25	2.23	190	160	1641S683K	68000	23	.079	.13	580.0	12	4.0
1641S680K	68	50	2.5	21	2.70	170	150	1641S823K	82000	21	.079	.12	618.0	11	3.5
1641S820K	82	50	2.5	10.5	2.44	180	140	1641S104K	100000	18	.079	.11	678.0	11	3.0
1641S101K	100	50	2.5	10.0	3.12	160	120								

\* the direct current which causes up to a 5% reduction from initial inductance

Letter suffix on part number denotes tolerance: M = ±20%  
 K = ±10%  
 J = ±5%

All specifications subject to change without notice