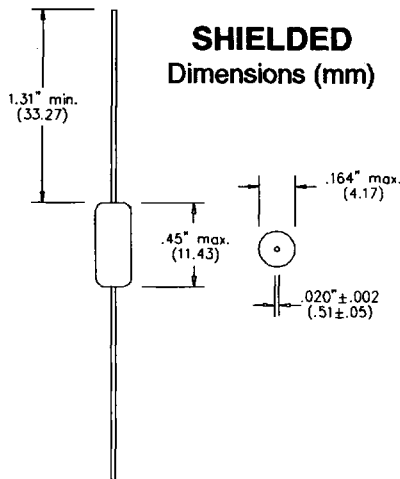


Shielded AXIAL INDUCTORS 1645S Series



STANDARD SPECIFICATIONS

Operating Temperature Range	-55°C to +125°C
Ambient Temperature	85°C
Inductance Tolerance	±10% across inductance range
Shielding	less than 3% coupling, units side by side @ 1KHz
Incremental Current	DC current causes 5% maximum reduction in inductance for nominal value of inductance measured with zero DC current
Packaging	bulk, or tape and reel

PART NUMBER GUIDE

Part Number	L (uH)	Q min.	Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Curr. max(mA) RatedDC	Curr. max(mA) Incr.*
1645SR10K	.10	50	25	400	.026	3000	3000
1645SR12K	.12	50	25	400	.029	2860	2860
1645SR15K	.15	50	25	400	.034	2600	2600
1645SR18K	.18	50	25	400	.044	2300	2300
1645SR22K	.22	50	25	400	.056	2050	2050
1645SR27K	.27	50	25	400	.090	1625	1625
1645SR33K	.33	47	25	325	.122	1400	1400
1645SR39K	.39	47	25	290	.161	1220	1220
1645SR47K	.47	47	25	264	.218	1060	1060
1645SR56K	.56	45	25	249	.290	900	900
1645SR68K	.68	43	25	221	.382	790	790
1645SR82K	.82	41	25	200	.450	725	725
1645SR10K	1.0	42	7.9	156	.054	2080	2080
1645SR12K	1.2	43	7.9	154	.070	1840	1840
1645SR15K	1.5	41	7.9	128	.096	1560	1560
1645SR18K	1.8	42	7.9	121	.107	1480	1480
1645SR22K	2.2	42	7.9	108	.142	1290	1290
1645SR27K	2.7	41	7.9	96	.184	1130	1130
1645SR33K	3.3	41	7.9	88	.260	950	950
1645SR39K	3.9	41	7.9	84	.354	815	815
1645SR47K	4.7	42	7.9	72	.468	710	710
1645SR68K	5.6	42	7.9	69	.511	680	680
1645SR82K	6.8	42	7.9	62	.750	560	560
1645SR10K	8.2	46	7.9	58	.828	535	535
1645SR100K	10	46	2.5	53	1.27	432	432
1645SR120K	12	50	2.5	47	1.76	368	368
1645SR150K	15	50	2.5	41	2.30	325	325
1645SR180K	18	50	2.5	43	.667	596	235
1645SR220K	22	50	2.5	38	.742	565	220
1645SR270K	27	50	2.5	36	.850	526	200
1645SR330K	33	50	2.5	33	.928	505	190
1645SR390K	39	50	2.5	29.4	1.28	429	180
1645SR470K	47	55	2.5	26.5	1.48	400	175
1645SR560K	56	55	2.5	25	1.64	380	160
1645SR680K	68	55	2.5	23	2.20	328	150
1645SR820K	82	55	2.5	14	1.96	349	140
1645SR101K	100	65	.79	12	2.28	322	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

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