

SMD Unshielded Power Inductors – SSL 0804HC Series

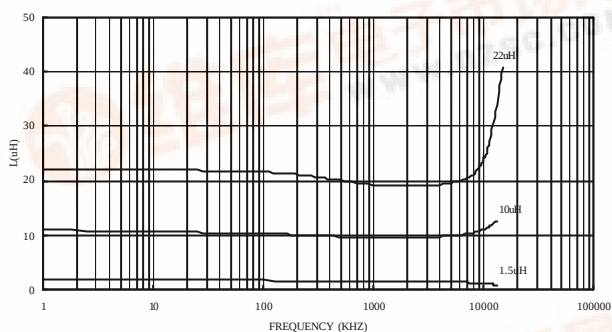
Electrical Characteristics

Part Number	Inductance ① (mH)	Tolerance (±%)	DC Resistance (Ω) max.	Self Resonant ② Frequency (MHz) Typ	Isat ③ (A)	Irms ④ (A)
SSL0804HC-R33M-S	0.33	20	0.002	300	20.0	16.0
SSL0804HC-R68M-S	0.68	20	0.005	200	13.0	12.0
SSL0804HC-1R0M-S	1.0	20	0.006	100	11.0	10.0
SSL0804HC-1R5M-S	1.5	20	0.008	90	9.0	9.0
SSL0804HC-2R2M-S	2.2	20	0.011	90	7.8	7.4
SSL0804HC-2R7M-S	2.7	20	0.012	65	7.0	6.6
SSL0804HC-3R3M-S	3.3	20	0.014	65	6.4	5.9
SSL0804HC-4R7M-S	4.7	20	0.018	45	5.4	4.8
SSL0804HC-6R8M-S	6.8	20	0.035	35	3.6	5.0
SSL0804HC-100M-S	10.0	20	0.04	26	3.3	4.3
SSL0804HC-150M-S	15.0	20	0.06	21	2.4	3.5
SSL0804HC-220M-S	22.0	20	0.08	17	2.0	2.8
SSL0804HC-330M-S	33.0	20	0.15	14	1.7	2.1
SSL0804HC-470M-S	47.0	20	0.28	12	1.4	1.7
SSL0804HC-680M-S	68.0	20	0.3	9	1.2	1.5
SSL0804HC-101M-S	100.0	20	0.4	7	0.95	1.2

- Inductance tested at 100 kHz, 0.1 Vrms.
- SRF measured using HP8753D network analyzer
- Inductance drop = 10% typ. at Isat.
- $\Delta T = 40$ typ at I_{rms}.
- Operating temperature range -40 to +85
- Electrical specifications at 25

Test Instruments :

INDUCTANCE vs. FREQUENCY CHARACTERISTICS



INDUCTANCE vs. IDC CHARACTERISTICS

