

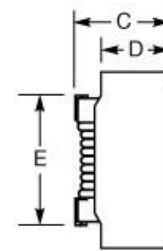
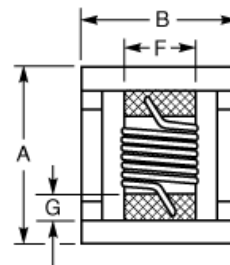
0805HS



◆ 特征 Feature

- 比其他功率电感的自谐振频率高。
Higher SRF and than our other power inductors.
- 高电感值和小公差。
High inductance with tight tolerance.
- 尺寸小但有良好的电流特性。
Excellent current handling for a part this size.

◆ 外形尺寸 Dimension



Recommended Land Pattern

	inches	mm
A max	0.133	3.38
B max	0.118	3.00
C max	0.079	2.00
D ref	0.056	1.42
E	0.080	2.03
F	0.050	1.27
G	0.020	0.51
H	0.070	1.78
I	0.040	1.02
J	0.030	0.76

型号 Part number	电感量 Inductance	直流电阻 DCR	自谐振频率 SRF	饱和电流 Isat	温升电流 I _{rms}
Units	(μ H)	(Ω) max	(MHz) typ	(A) 30% drop	(A) 40°C rise
0805HS-1R0KL_	1.0 \pm 10%	0.14	340	0.90	1.6
0805HS-1R5KL_	1.5 \pm 10%	0.18	365	0.85	1.3
0805HS-2R7KL_	2.7 \pm 10%	0.35	190	0.60	0.88
0805HS-3R3KL_	3.3 \pm 10%	0.50	180	0.55	0.70
0805HS-3R9KL_	3.9 \pm 10%	0.74	165	0.50	0.61
0805HS-4R7KL_	4.7 \pm 10%	0.85	155	0.43	0.59
0805HS-5R6KL_	5.6 \pm 10%	0.91	143	0.38	0.57
0805HS-6R8KL_	6.8 \pm 10%	1.37	118	0.32	0.46
0805HS-100KL_	10 \pm 10%	1.51	66	0.27	0.43
0805HS-150KL_	15 \pm 10%	2.04	34	0.22	0.34
0805HS-220KL_	22 \pm 10%	2.48	22	0.18	0.33
0805HS-330KL_	33 \pm 10%	3.00	17	0.16	0.28
0805HS-470KL_	47 \pm 10%	3.85	15	0.15	0.26
0805HS-680KL_	68 \pm 10%	4.42	12	0.12	0.24
0805HS-820KL_	82 \pm 10%	6.00	12	0.11	0.21
0805HS-101KL_	100 \pm 10%	6.96	9.0	0.10	0.19
0805HS-121KL_	120 \pm 10%	7.51	7.7	0.10	0.18
0805HS-151KL_	150 \pm 10%	8.33	5.0	0.08	0.18
0805HS-221KL_	220 \pm 10%	13.71	5.0	0.07	0.14
0805HS-331KL_	330 \pm 10%	20.53	3.5	0.06	0.11

※ 饱和电流：电感值下降到标准值的 70% 时的电流值。

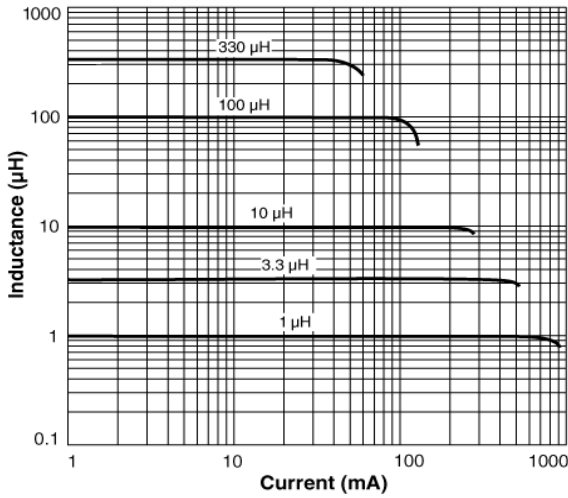
Isat: This indicates the value of DC current when the inductance decreases to 70% of its nominal value.

※ 温升电流：线圈温度上升 $\Delta T=40^{\circ}\text{C}$ 时的电流值（基准温度 $T_a=20^{\circ}\text{C}$ ）

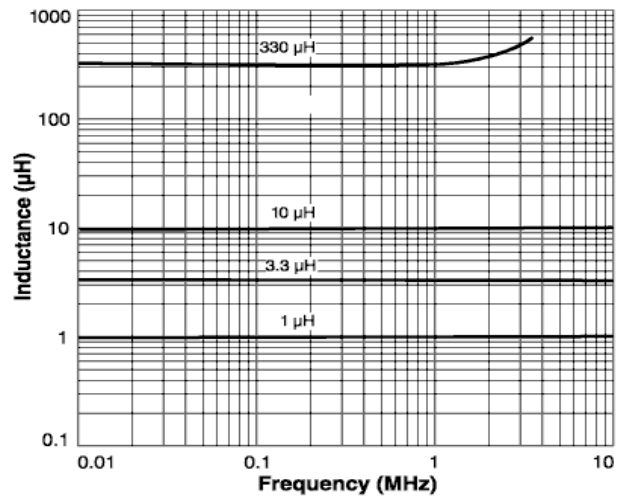
I_{rms}: The current when temperature of coil becomes $\Delta T=40^{\circ}\text{C}$. ($T_a=20^{\circ}\text{C}$)

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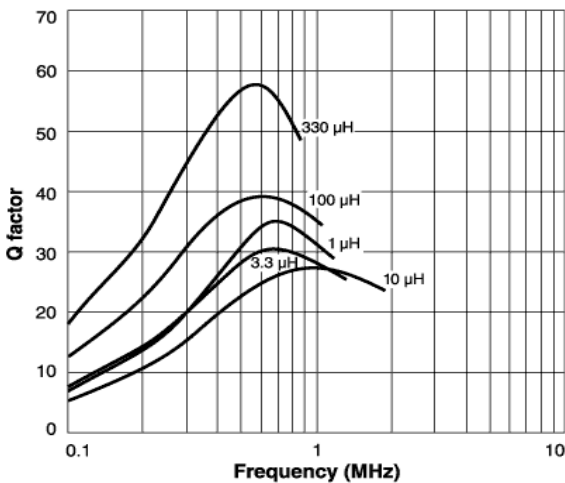
◆ 电感值 vs 电流曲线
Typical L vs Current



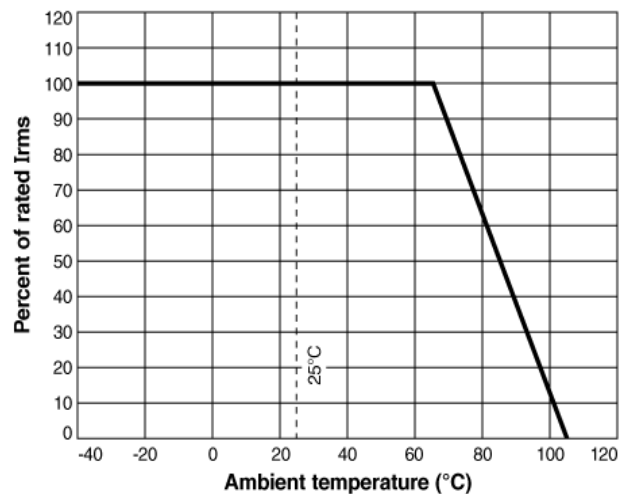
◆ 电感值 vs 频率曲线
Typical L vs Frequency



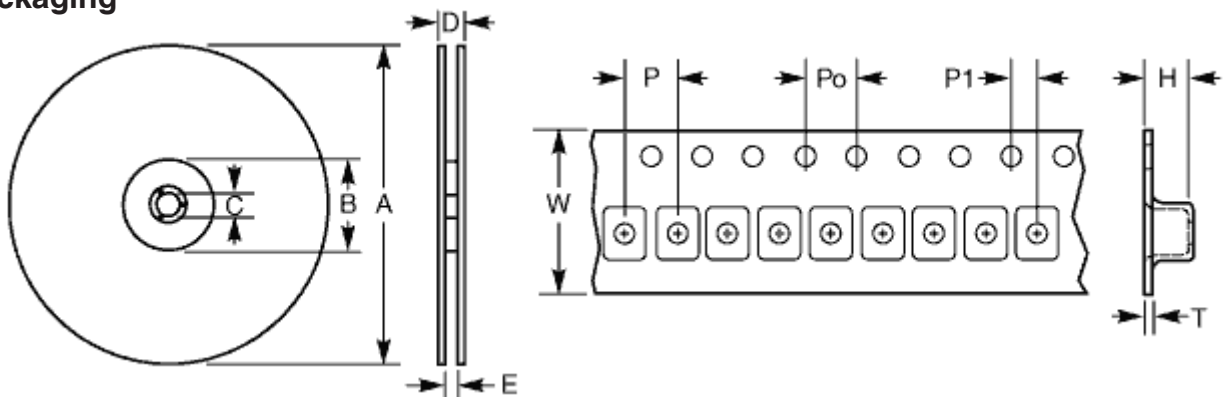
◆ Q vs 频率曲线
Q vs Frequency




◆ 电流下降曲线
I_{rms} Derating



◆ 包装方式
Packaging



每盘数量 Parts per reel	卷盘尺寸 Reel dimensions (mm)					卷带尺寸 Tape dimensions (mm)						方向 Orientation
7" (178 mm)	A	B	C	D	E	W	P	Po	P1	H	T	
1500	178	60	13	14,4	8,4	8	4	4	2	2,34	0,23	