

## 1008HS

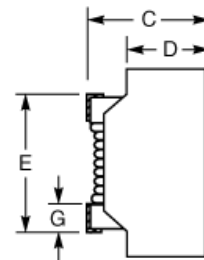
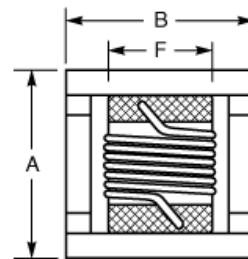


### ◆ 特征 Feature

- 比其他功率电感的自谐振频率高。  
Higher SRF and than our other power inductors.
- 高电感值有极小的公差范围  
Higher inductance with tight tolerance.
- 尺寸小，有良好的电流特性。  
Excellent current handling for a part this size.

型号 Part number	电感量 Inductance	直流电阻 DCR	自谐频率 SRF	饱和电流 Isat	温升电流 Irms
Units	( $\mu$ H)	( $\Omega$ ) max	(MHz) typ	(A) 30% drop	(A) 40°C rise
1008HS-1R0KL_	1.0 $\pm$ 10%	0.05	387	4.2	2.0
1008HS-1R2KL_	1.2 $\pm$ 10%	0.06	276	3.5	2.0
1008HS-1R5KL_	1.5 $\pm$ 10%	0.09	253	3.0	1.7
1008HS-2R2KL_	2.2 $\pm$ 10%	0.10	228	3.1	1.4
1008HS-2R7KL_	2.7 $\pm$ 10%	0.14	207	2.3	1.35
1008HS-3R3KL_	3.3 $\pm$ 10%	0.84	199	1.6	1.27
1008HS-3R9KL_	3.9 $\pm$ 10%	0.26	185	2.0	1.11
1008HS-4R7KL_	4.7 $\pm$ 10%	0.35	160	1.7	0.95
1008HS-5R6KL_	5.6 $\pm$ 10%	0.36	150	1.8	0.87
1008HS-6R8KL_	6.8 $\pm$ 10%	0.58	120	1.6	0.76
1008HS-100KL_	10 $\pm$ 10%	0.92	105	1.1	0.59
1008HS-150KL_	15 $\pm$ 10%	1.15	35	0.90	0.51
1008HS-220KL_	22 $\pm$ 10%	1.40	26	0.79	0.44
1008HS-330KL_	33 $\pm$ 10%	1.61	20	0.68	0.42
1008HS-390KL_	39 $\pm$ 10%	1.85	16	0.60	0.39
1008HS-470KL_	47 $\pm$ 10%	2.5	19	0.54	0.31
1008HS-680KL_	68 $\pm$ 10%	3.8	12	0.45	0.26
1008HS-820KL_	82 $\pm$ 10%	4.3	9.0	0.42	0.26
1008HS-101KL_	100 $\pm$ 10%	5.8	7.0	0.39	0.20
1008HS-121KL_	120 $\pm$ 10%	6.3	7.0	0.35	0.20
1008HS-151KL_	150 $\pm$ 10%	7.5	5.8	0.33	0.18
1008HS-221KL_	220 $\pm$ 10%	10.0	5.0	0.27	0.17
1008HS-331KL_	330 $\pm$ 10%	11.5	3.8	0.23	0.15
1008HS-471KL_	470 $\pm$ 10%	16.3	3.1	0.19	0.13
1008HS-561KL_	560 $\pm$ 10%	18.1	2.8	0.17	0.12
1008HS-681KL_	680 $\pm$ 10%	24.0	2.5	0.17	0.11
1008HS-821KL_	820 $\pm$ 10%	26.0	1.5	0.13	0.10
1008HS-102KL_	1000 $\pm$ 10%	29.0	2.0	0.14	0.10

### ◆ 外形尺寸 Dimension



Recommended Land Pattern

	inches	mm
A max	0.150	3.81
B max	0.149	3.78
C max	0.108	2.74
D max	0.070	1.78
E max	0.102	2.59
F max	0.084	2.13
G typ	0.020	0.51
H	0.100	2.54
I	0.040	1.02
J	0.050	1.27

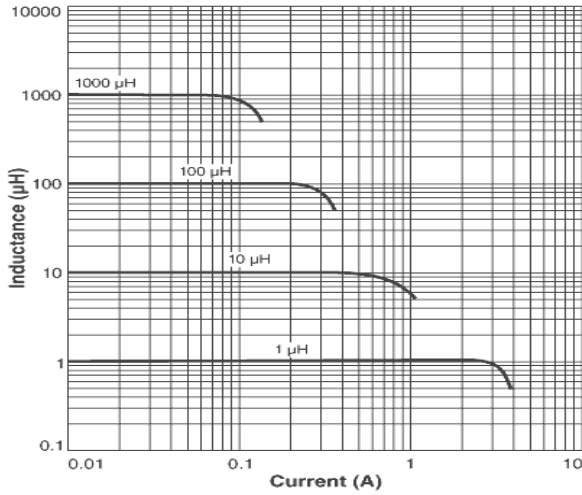
※ 饱和电流：电感值下降到标准值的 70% 时的电流值。  
Isat: This indicates the value of DC current when the inductance decreases to 70% of its nominal value.

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

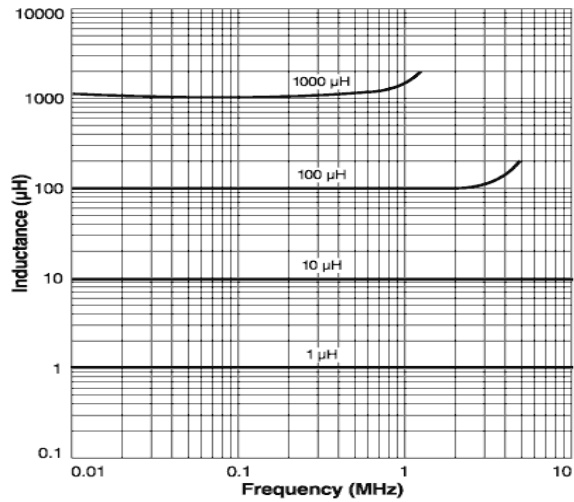
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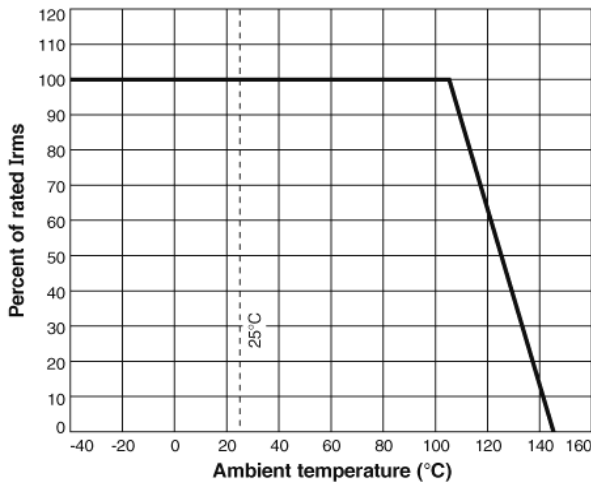
◆ 电感值 vs 电流曲线  
**Typical L vs Current**



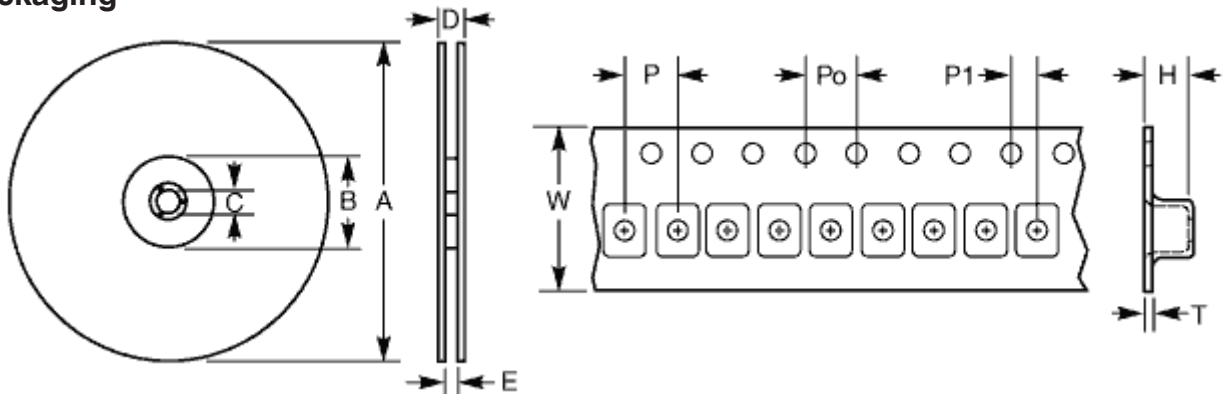
◆ 电感值 vs 频率曲线  
**Typical L vs Frequency**



◆ 电流下降曲线  
**Irms 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	
750	178	60	13	18,4	12,4	12	8	4	2	3,3	0,3	