

PS7341

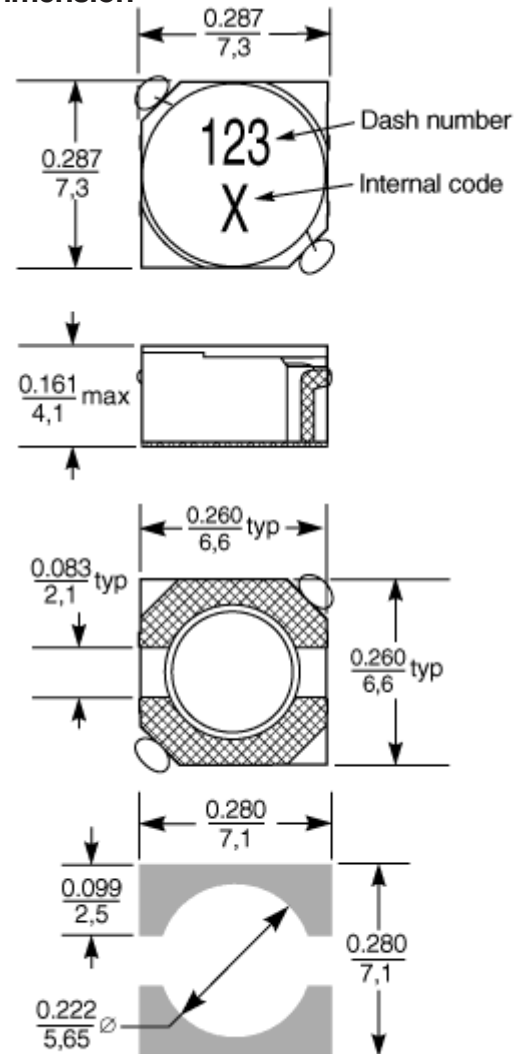


◆ 特征 Feature

- 6.6 × 6.6mm 小尺寸封装，闭磁式功率电感。
6.6 × 6.6 mm footprint; 4.1 mm high shielded inductors.
- 直流电阻小及极好的定格电流特性。
Low DCR and excellent current handling.
- 适用于回流焊 SMT 工艺。
Suitable for reflow soldering.
- 较低磁芯损耗在高频率功率电源应用时。
Low core loss for high frequency power application.

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	(μ H)	(m Ω) max	(MHz) typ	(A) 30% drop	(A) 40 $^{\circ}$ C rise
PS7341-3R3NL_	3.3 \pm 30%	20	58.0	3.72	5.00
PS7341-5R0NL_	5.0 \pm 30%	24	46.0	3.16	4.70
PS7341-6R2NL_	6.2 \pm 30%	27	42.0	2.98	4.30
PS7341-7R4NL_	7.4 \pm 30%	31	40.0	2.56	4.10
PS7341-8R7NL_	8.7 \pm 30%	34	35.0	2.36	3.90
PS7341-100ML_	10 \pm 20%	38	32.0	2.10	3.80
PS7341-120ML_	12 \pm 20%	53	26.2	1.92	3.30
PS7341-150ML_	15 \pm 20%	57	24.0	1.78	3.00
PS7341-180ML_	18 \pm 20%	78	22.5	1.62	2.65
PS7341-220ML_	22 \pm 20%	82	21.5	1.42	2.35
PS7341-270ML_	27 \pm 20%	109	19.0	1.22	2.10
PS7341-330ML_	33 \pm 20%	124	18.0	1.16	1.95
PS7341-390ML_	39 \pm 20%	138	17.0	1.12	1.90
PS7341-470ML_	47 \pm 20%	155	14.2	1.00	1.85
PS7341-560ML_	56 \pm 20%	202	13.4	0.87	1.60
PS7341-680ML_	68 \pm 20%	276	12.0	0.80	1.35
PS7341-820ML_	82 \pm 20%	324	11.0	0.72	1.25
PS7341-101ML_	100 \pm 20%	358	10.5	0.71	1.15
PS7341-221ML_	220 \pm 20%	780	5.0	0.47	0.78
PS7341-471ML_	470 \pm 20%	1450	3.0	0.32	0.57

◆ 外形尺寸 Dimension



Recommended Land Pattern

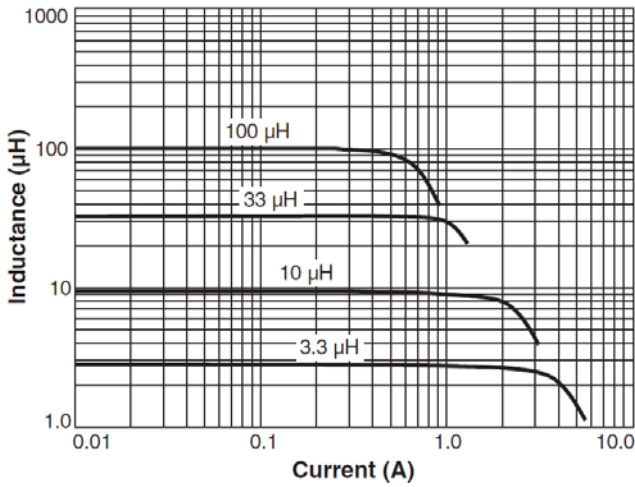
Dimensions are in $\frac{\text{inches}}{\text{mm}}$

※ 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.

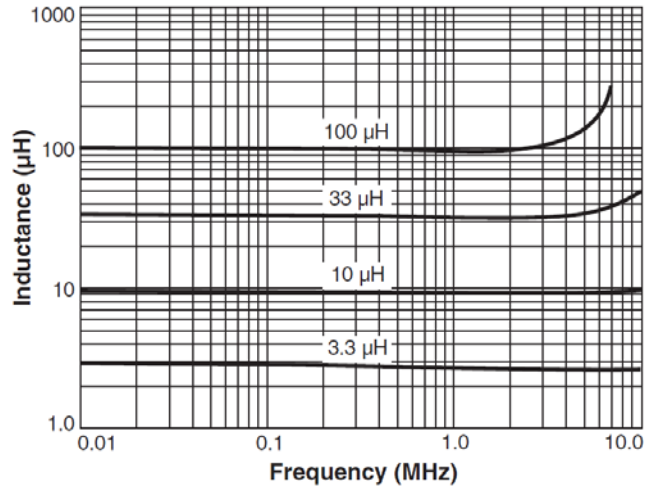
※ 温升电流：线圈温度上升 $\Delta T=40^{\circ}\text{C}$ 时的电流值（基准温度 $T_a=20^{\circ}\text{C}$ ）
Irms: The current when temperature of coil becomes $\Delta T=40^{\circ}\text{C}$. ($T_a=20^{\circ}\text{C}$)

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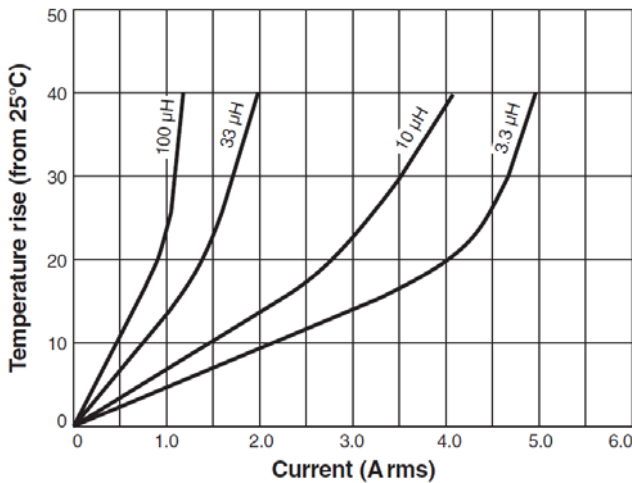
◆ 电感值 vs 电流曲线
Typical L vs Current



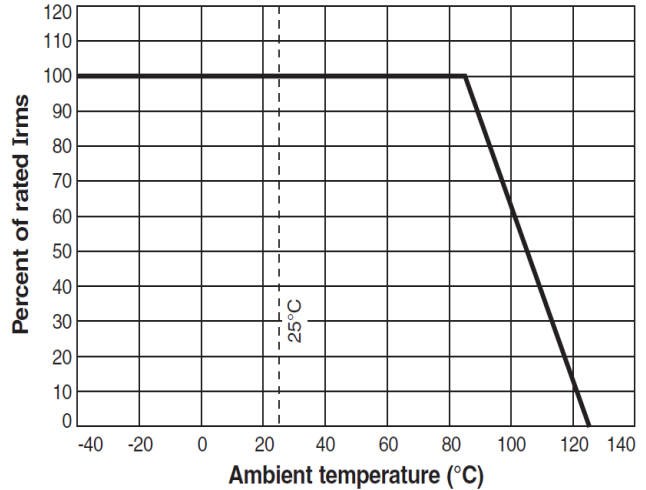
◆ 电感值 vs 频率曲线
Typical L vs Frequency



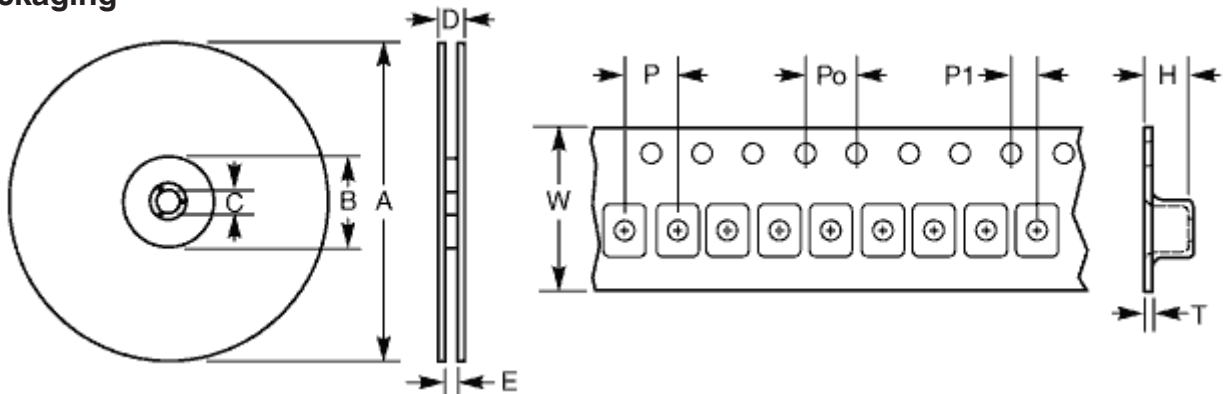
◆ 温度上升曲线
Temperature Rise vs Current




◆ 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
13" (330 mm)	A	B	C	D	E	W	P	Po	P1	H	T	
1000	330	100	13	22,4	16,4	16	12	4	2	4,5	0,35	