

PSD1260

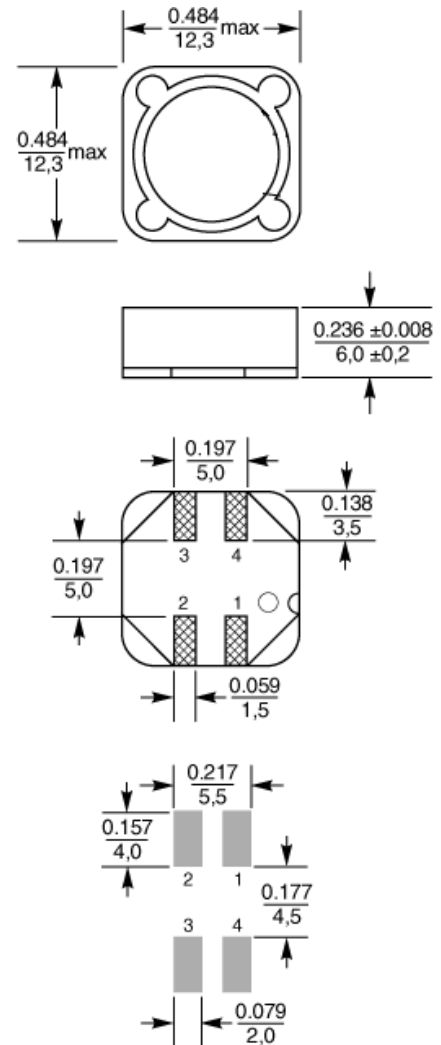


◆ 特征 Feature

- 闭磁耦合电感器，可应用于 Flyback, SEPIC 等电路。
Shielded coupled inductors for Flyback, SEPIC and other applications.
- 同时适用于共模扼流线圈。
Also suitable for use as common mode chokes.
- 饱和电流特性最高可达到 10.3 Amps。
Saturation current rating up to 10.3 Amps.
- 线圈之间绝缘耐压可达到 500 Vrms。
500 Vrms winding-to-winding isolation.

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	(μH)	(Ω) max	(MHz) typ	(A) 30% drop	(A) 40°C rise
PSD1260-4R7ML_	4.7±20%	0.036	32.0	10.3	3.16
PSD1260-5R6ML_	5.6±20%	0.040	31.0	9.66	3.00
PSD1260-6R8ML_	6.8±20%	0.048	28.0	9.21	2.75
PSD1260-8R2ML_	8.2±20%	0.052	25.0	8.55	2.63
PSD1260-100ML_	10±20%	0.060	22.0	7.40	2.45
PSD1260-120ML_	12±20%	0.074	21.0	6.86	2.21
PSD1260-150ML_	15±20%	0.085	17.6	6.09	2.06
PSD1260-180ML_	18±20%	0.097	17.0	5.30	1.93
PSD1260-220ML_	22±20%	0.116	15.0	5.01	1.76
PSD1260-270ML_	27±20%	0.124	13.6	4.66	1.70
PSD1260-330ML_	33±20%	0.134	12.7	4.22	1.64
PSD1260-390ML_	39±20%	0.142	11.7	3.80	1.59
PSD1260-470ML_	47±20%	0.174	8.7	3.25	1.44
PSD1260-560ML_	56±20%	0.198	7.6	3.07	1.35
PSD1260-680ML_	68±20%	0.216	6.1	2.83	1.29
PSD1260-820ML_	82±20%	0.274	5.3	2.55	1.15
PSD1260-101ML_	100±20%	0.322	5.0	2.20	1.06
PSD1260-121KL_	120±20%	0.418	4.4	2.05	0.93
PSD1260-151KL_	150±20%	0.476	4.0	1.82	0.87
PSD1260-181KL_	180±20%	0.536	3.6	1.60	0.82
PSD1260-221KL_	220±20%	0.691	3.2	1.51	0.72
PSD1260-271KL_	270±20%	0.806	2.8	1.41	0.67
PSD1260-331KL_	330±20%	1.09	2.5	1.28	0.57
PSD1260-391KL_	390±20%	1.20	2.3	1.16	0.55
PSD1260-471KL_	470±20%	1.59	2.1	1.00	0.48
PSD1260-561KL_	560±20%	1.81	2.0	0.95	0.45
PSD1260-681KL_	680±20%	2.06	1.8	0.88	0.42
PSD1260-821KL_	820±20%	2.65	1.5	0.79	0.37
PSD1260-102KL_	1000±20%	3.06	1.2	0.69	0.34

◆ 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.

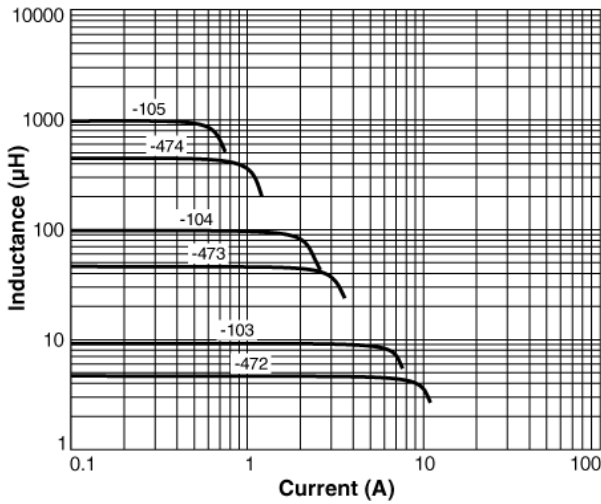
※ 温升电流：线圈温度上升 $\Delta T=40^\circ\text{C}$ 时的电流值（基准温度 $T_a=20^\circ\text{C}$ ）

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

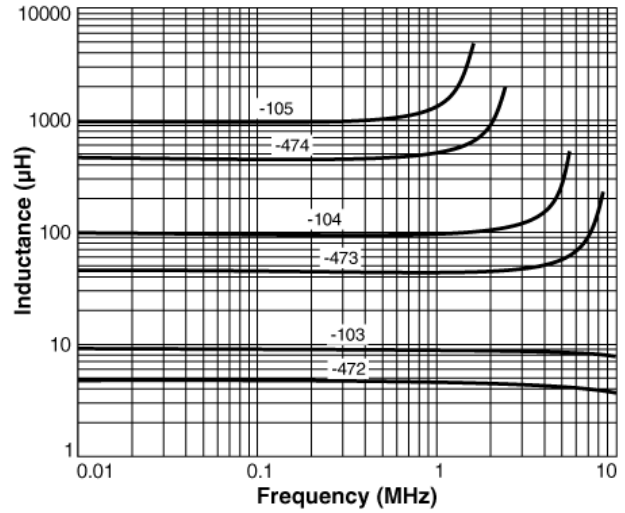
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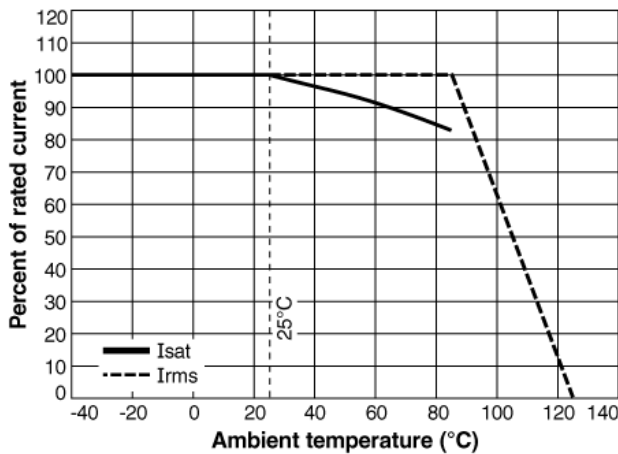
◆ 电感值 vs 电流曲线
Typical L vs Current



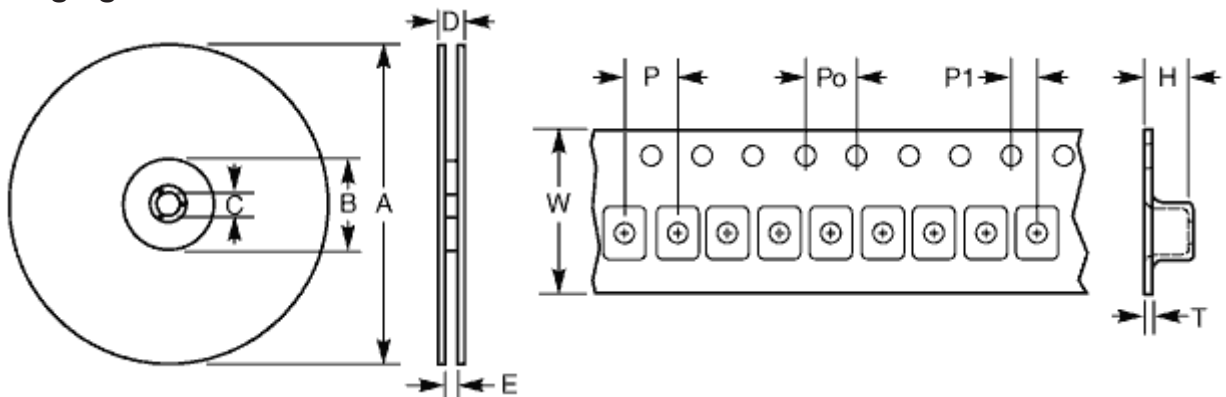
◆ 电感值 vs 频率曲线
Typical L vs Frequency




◆ 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
	A	B	C	D	E	W	P	Po	P1	H	T	
13" (330 mm)	330	100	13	30,4	24,4	24	16	4	2	6,6	0,35	
500												