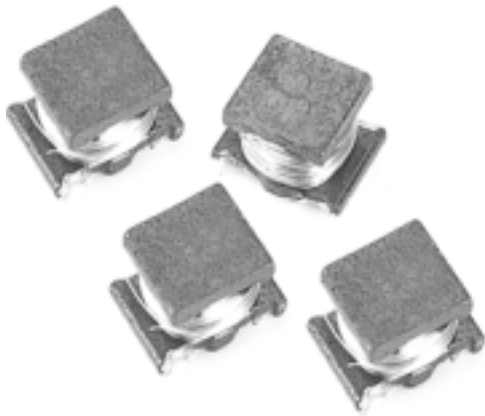


## Winding Type Chip Inductors LPI Series(繞線型貼片電感-----LPI 系列)



### Features(特徵):

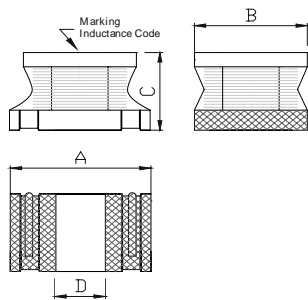
1. Excellent for use as power supply circuit.(適用於電源供應電路)
2. Wide inductance range from 0.12uH to 560uH.(感值範圍廣:從 0.12uH 到 560uH)
3. S.M.T. type.(表面黏著類型)
4. Suitable for and reflow soldering.(適合於一般焊接及回焊)
5. Shapes and dimensions follow E.I.A. spec.(外觀和呎吋符合 EIA 標準)
6. Available in various sizes.(不同呎吋規格可供選擇)
7. Excellent solderability and heat resistance.(良好的焊錫性及耐熱性)

### Applications(應用):

Notebook PCs, digital TVs and VTRs Printers, hard disk drives, personal computers and general consumer and computers products.

筆記本電腦、數位電視、數位錄放影機、列表機、硬式磁碟機、個人電腦和其他一般消費性及電腦產品。

### Shape & Dimensions(外觀呎吋):



Chip size				
Item	A(mm)	B(mm)	C(mm)	D(mm)
LPI2015	2.0 ± 0.2	1.5 ± 0.2	1.7 ± 0.2	0.8 ± 0.2
LPI2520	2.5 ± 0.2	2.0 ± 0.2	1.8 ± 0.2	0.9 ± 0.3
LPI3216	3.2 ± 0.3	1.6 ± 0.3	1.8 ± 0.3	0.9 ± 0.3
LPI3225	3.2 ± 0.3	2.5 ± 0.3	2.2 ± 0.3	0.9 ± 0.3
LPI4532	4.5 ± 0.3	3.2 ± 0.3	2.6 ± 0.3	0.9 ± 0.3
LPI5750	5.7 ± 0.3	5.0 ± 0.3	4.5 ± 0.3	2.1 ± 0.3

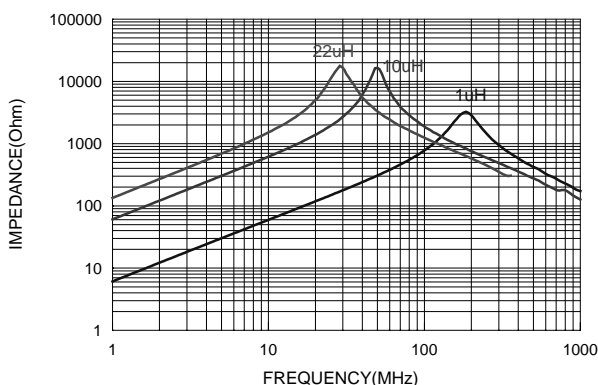
### Specification(規格):

#### LPI2015 Series:

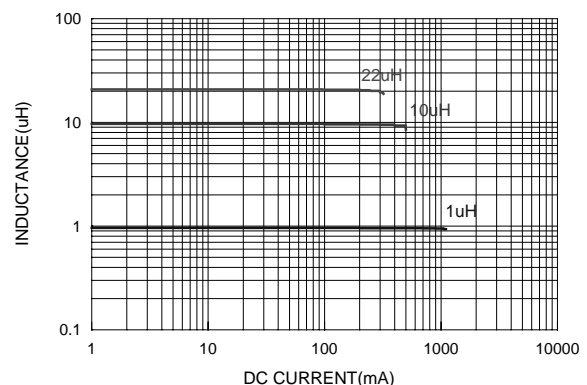
Part Number	Inductance (uH)	Test Frequency (MHz)	DC Resistance (Ohms) Max	Rated Current (A) Max
LPI 2015-1R0K	1.00±10%	7.96	0.208	0.70
LPI 2015-2R2K	2.20±10%	7.96	0.299	0.62
LPI 2015-4R7K	4.70±10%	7.96	0.520	0.43
LPI 2015-100K	10.0±10%	2.52	0.910	0.30
LPI 2015-220K	22.0±10%	2.52	2.210	0.22

**Test Equipment** Inductance:Hp4286A LCR Meter / DC Resistance:HP4338B Milliohms Meter.

#### Impedance v.s. Frequency Curve



#### Inductance v.s. Current Curve



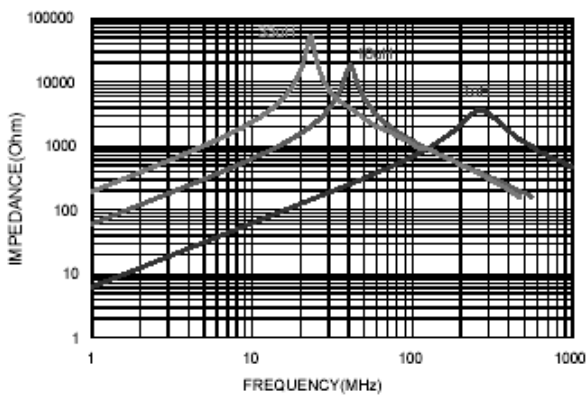
## On-Board Type Coils/Chip Inductors

### LPI2520 Series:

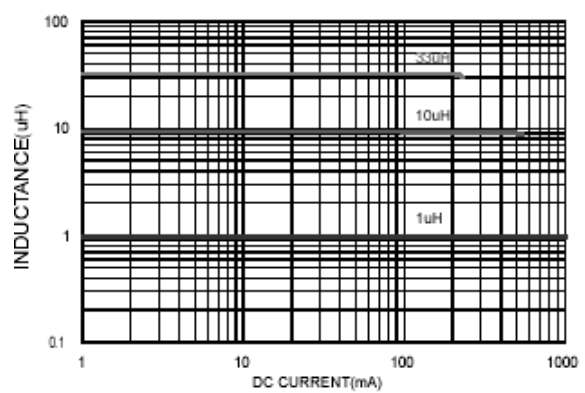
Part Number	Inductance (uH)	Test Frequency (MHz)	DC Resistance (Ohms) Max	Rated Current (mA) Max
LPI2520-1R0M	1.0±20%	7.96	0.442	475
LPI2520-1R5M	1.5±20%	7.96	0.546	435
LPI2520-2R2M	2.2±20%	7.96	0.650	390
LPI2520-3R3M	3.3±20%	7.96	0.845	340
LPI2520-4R7M	4.7±20%	7.96	1.040	285
LPI2520-6R8M	6.8±20%	7.96	1.300	275
LPI2520-100K	10±10%	2.52	2.197	210
LPI2520-150K	15±10%	2.52	2.860	175
LPI2520-220K	22±10%	2.52	3.640	160
LPI2520-330K	33±10%	2.52	5.460	120

Test Equipment Inductance:Hp4286A LCR Meter / DC Resistance:HP4338B Milliohms Meter.

**Impedance v.s. Frequency Curve**



**Inductance v.s. Current Curve**

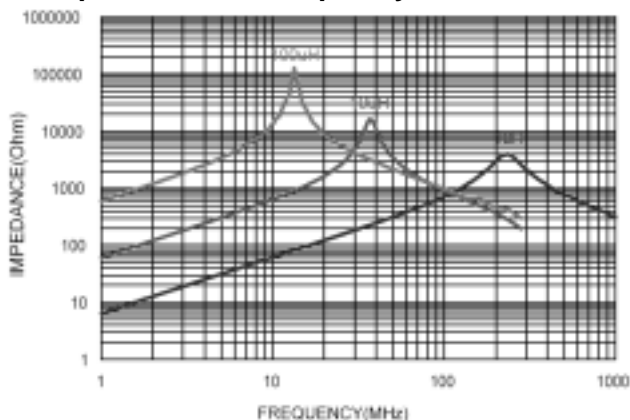


### LPI3216 Series:

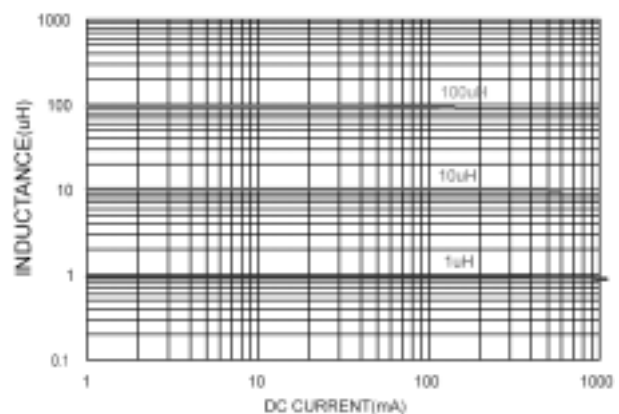
Part Number	Inductance (uH)	Test Frequency (MHz)	DC Resistance (Ohms) Max	Rated Current (mA) Max
LPI3216-R12M	0.12±20%	1.00	0.112	970
LPI3216-R22M	0.22±20%	1.00	0.140	850
LPI3216-R47M	0.47±20%	1.00	0.210	700
LPI3216-1R0M	1.00±20%	1.00	0.364	510
LPI3216-2R2M	2.20±20%	1.00	0.533	430
LPI3216-4R7M	4.70±20%	1.00	0.845	340
LPI3216-100K	10.0±10%	1.00	1.69	230
LPI3216-220K	22.0±10%	1.00	3.90	160
LPI3216-470K	47.0±10%	1.00	10.4	100
LPI3216-101K	100±10%	1.00	15.6	80

Test Equipment Inductance:Hp4286A LCR Meter / DC Resistance:HP4338B Milliohms Meter.

**Impedance v.s. Frequency Curve**



**Inductance v.s. Current Curve**



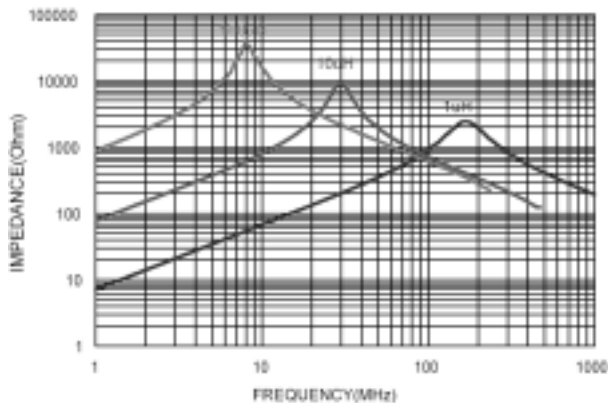
## On-Board Type Coils/Chip Inductors

### LPI3225 Series:

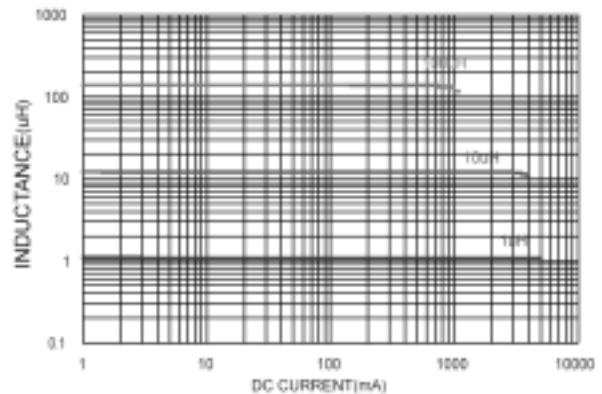
Part Number	Inductance (uH)	Test Frequency (Hz)	DC Resistance (Ohms) Max	Rated Current (mA) Max
LPI3225-1R0M	1.0±20%	1.0M	0.117	800
LPI3225-2R2M	2.2±20%	1.0M	0.169	600
LPI3225-4R7M	4.7±20%	1.0M	0.260	450
LPI3225-100K	10.0±10%	1.0M	0.572	300
LPI3225-220K	22.0±10%	1.0M	0.923	250
LPI3225-470K	47.0±10%	1.0M	1.690	170
LPI3225-101K	100±10%	1.0M	4.550	100
LPI3225-221K	220±10%	1.0M	10.92	70
LPI3225-331K	330±10%	1.0M	13.0	60
LPI3225-391K	390±10%	1.0M	22.1	60
LPI3225-471K	470±10%	1.0K	24.7	60
LPI3225-561K	560±10%	1.0K	28.6	60

**Test Equipment** Inductance:Hp4286A LCR Meter / DC Resistance:HP4338B Milliohms Meter.

**Impedance v.s. Frequency Curve**



**Inductance v.s. Current Curve**



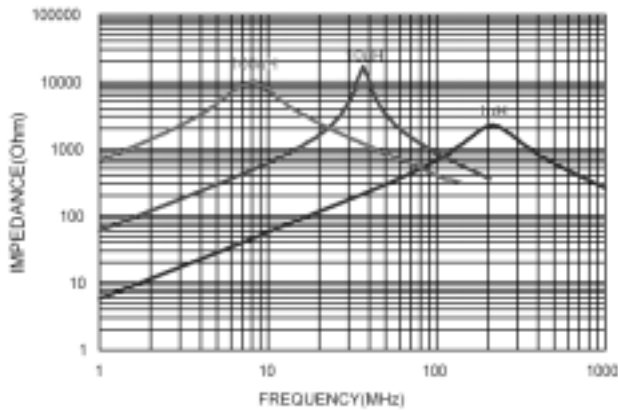
### LPI4532 Series:

Part Number	Inductance (uH)	Test Frequency (Hz)	DC Resistance (Ohms) Max	Rated Current (mA) Max
LPI4532-4R7M	4.7±20%	1.0M	0.15	750
LPI4532-6R8M	6.8±20%	1.0M	0.20	720
LPI4532-100K	10.0±10%	1.0M	0.24	650
LPI4532-150K	15.0±10%	1.0M	0.32	570
LPI4532-220K	22.0±10%	1.0M	0.60	420
LPI4532-330K	33.0±10%	1.0M	1.00	310
LPI4532-470K	47.0±10%	1.0M	1.10	280
LPI4532-680K	68.0±10%	1.0M	1.70	220
LPI4532-101K	100±10%	1.0M	2.20	190
LPI4532-151K	150±10%	1.0M	3.50	130
LPI4532-221K	220±10%	1.0M	4.00	110
LPI4532-331K	330±10%	1.0M	6.80	100
LPI4532-471K	470±10%	1.0K	8.50	90

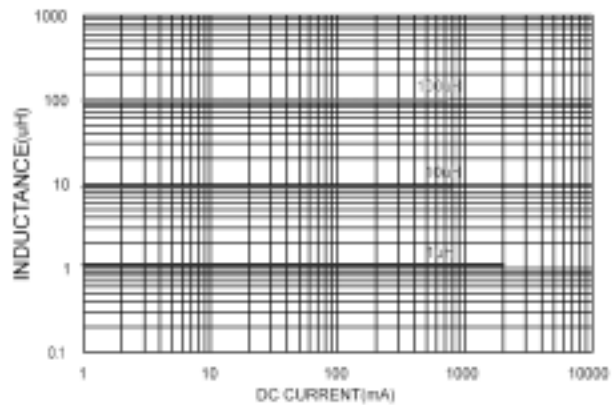
**Test Equipment** Inductance:Hp4286A LCR Meter / DC Resistance:HP4338B Milliohms Meter.

## On-Board Type Coils/Chip Inductors

**Impedance v.s. Frequency Curve**



**Inductance v.s. Current Curve**



**LPI5750 Series:**

Part Number	Inductance (uH)	Test Frequency (M)	DC Resistance (Ohms) Max	Rated Current (A) Max
LPI5750-1R0M	1.00±20%	1.0M	0.020	9.00
LPI5750-1R2M	1.20±20%	1.0M	0.024	8.81
LPI5750-1R5M	1.50±20%	1.0M	0.028	7.80
LPI5750-1R8M	1.80±20%	1.0M	0.032	7.08
LPI5750-2R2M	2.20±20%	1.0M	0.035	6.54
LPI5750-2R7M	2.70±20%	1.0M	0.045	5.83
LPI5750-3R3M	3.30±20%	1.0M	0.054	5.48
LPI5750-3R9M	3.90±20%	1.0M	0.056	5.27
LPI5750-4R7M	4.70±20%	1.0M	0.081	4.48
LPI5750-5R6M	5.60±20%	1.0M	0.100	3.91
LPI5750-6R8M	6.80±20%	1.0M	0.124	3.57
LPI5750-8R2M	8.20±20%	1.0M	0.150	3.28
LPI5750-100M	10.0±20%	1.0M	0.167	3.06
LPI5750-120M	12.0±20%	1.0M	0.190	2.95
LPI5750-150M	15.0±20%	1.0M	0.215	2.63
LPI5750-180M	18.0±20%	1.0M	0.256	2.46
LPI5750-220M	22.0±20%	1.0M	0.322	2.21
LPI5750-270M	27.0±20%	1.0M	0.389	1.75
LPI5750-330M	33.0±20%	1.0M	0.448	1.78
LPI5750-390M	39.0±20%	1.0M	0.486	1.70
LPI5750-470M	47.0±20%	1.0M	0.586	1.50
LPI5750-560M	56.0±20%	1.0M	0.725	1.45
LPI5750-680M	68.0±20%	1.0M	0.806	1.30
LPI5750-820M	82.0±20%	1.0M	0.990	1.15
LPI5750-101K	100.0±10%	1.0M	1.100	1.05
LPI5750-121K	120.0±10%	1.0M	1.388	0.97
LPI5750-151K	150.0±10%	1.0M	1.575	0.94
LPI5750-181K	180.0±10%	1.0M	2.000	0.84
LPI5750-221K	220.0±10%	1.0M	2.550	0.72
LPI5750-271K	270.0±10%	1.0M	2.825	0.67
LPI5750-331K	330.0±10%	1.0M	3.600	0.60
LPI5750-391K	390.0±10%	1.0M	4.000	0.55

**Test Equipment** Inductance:Hp4286A LCR Meter / DC Resistance:HP4338B Milliohms Meter.