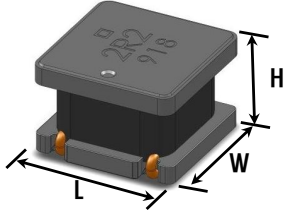


# LPH6050-ER TYPE

## Data Sheet

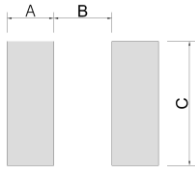
SMD Winding Power Inductor

### Component Image & Dimension



TYPE	Dimension(mm)		
	L	W	H
6050-ER	6.0±0.3	6.0±0.3	5.0 Max.

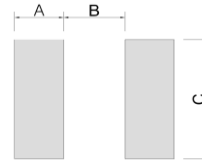
### Pad Size



TYPE	6050-ER
A	1.65±0.2
B	2.70±0.2
C	4.90±0.2

Unit : mm

### Recommended Land Pattern



TYPE	6050-ER
A	1.85
B	2.50
C	5.10

Unit : mm

### Features

- Shield type winding inductor for power circuits.
- Generic use for DC/DC Converter Line.
- Ferrite powder Molding component.
- Halogen-Free and RoHS compliant.
- AEC-Q200 Qualified.

### Application

DC-DC Converter for LCD-TV, Printer, Note PC etc.

### Electrical Specification

ABCO Identification	Inductance		Test Freq.	DC Resistance(Ω)		Rated DC Current(A)	
	Spec.	Tol.		Max.	Typ.	Idc1[Isat]	Idc2[Irms]
	uH	%				kHz	Max. [typ.]
LPH6050T - 150M - ER	15.0	±20	100	0.088	0.071	3.30 [4.20]	3.00 [3.60]

- Rated DC Current : Value defined when DC current flows and the initial value of inductance has decreased by 30% or when current flows and temperature has risen to 40°C whichever is smaller.
- Idc1[Isat] : The DC saturation current value is specified when the decrease of the initial inductance value at 30%.
- Idc2[Irms] : The temperature rise current value is specified when temperature of the inductor is raised 40°C by DC current.
- Operating temperature range : - 40 to +125°C (Including self-temperature rise)