

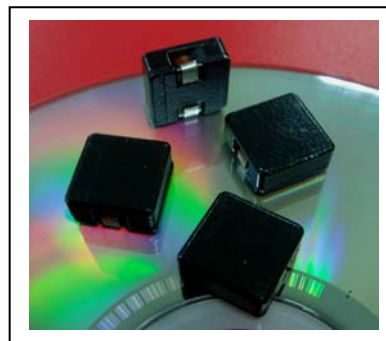
HIGH CURRENT INDUCTORS



MODEL NO : SHI-12565DD HF SERIES

Features

- * SMD version.
- * Low core loss and high efficiency performance.
- * Close magnetic path for low leakage flux.
- * Low DCR with flat wire design.
- * Compliant with RoHS and Halogen free.



Application :

- * DC/DC converter in power regulation system .
- * Automobile . * Solar energy . * Routers .

Electrical specification :

PART NO	INDUCTANCE (uH) ±20%	DCR ±10% (mΩ)	INDUCTANCE (uH) TYP @ TEMPERATURE RISE CURRENT	TEMPERATURE RISE CURRENT (ADC) (NOTE 2)	SATURATION CURRENT (ADC) (NOTE 3)
SHI-12565DD-R47 HF	0.47	0.68	0.38	34	44.0
SHI-12565DD-R90 HF	0.90	1.30	0.70	26	34.0
SHI-12565DD-1R5 HF	1.50	1.50	1.20	22	28.0
SHI-12565DD-2R2 HF	2.20	2.40	1.70	18	23.0
SHI-12565DD-3R3 HF	3.30	3.50	2.30	17	18.0
SHI-12565DD-4R7 HF	4.70	4.60	3.15	15	16.0
SHI-12565DD-5R6 HF	5.60	5.60	4.20	12.5	14.0
SHI-12565DD-6R8 HF	6.80	7.20	5.0	11.5	13.5
SHI-12565DD-7R6 HF	7.60	9.5	6.0	10.0	13.0
SHI-12565DD-100 HF	10.0	10.4	7.2	9.5	11.5
SHI-12565DD-120 HF	12.0	12.3	8.7	8.5	10.5

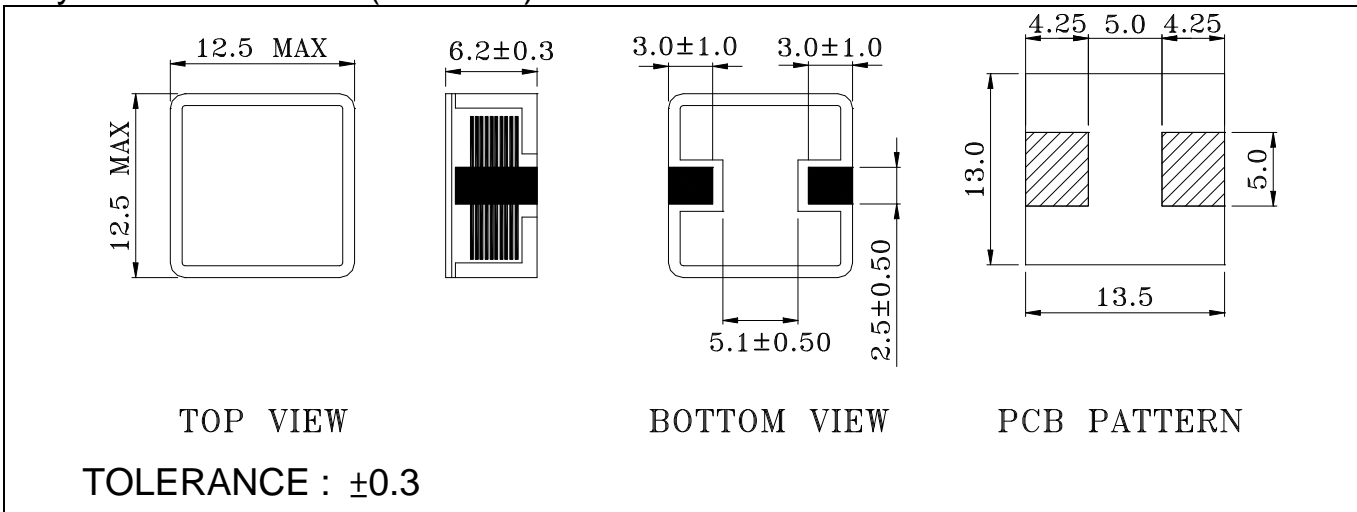
NOTE(1): Measuring condition : 100 KHZ,0.1Vrms.

NOTE(2): ΔT=40°C approximately under the temperature rise current.

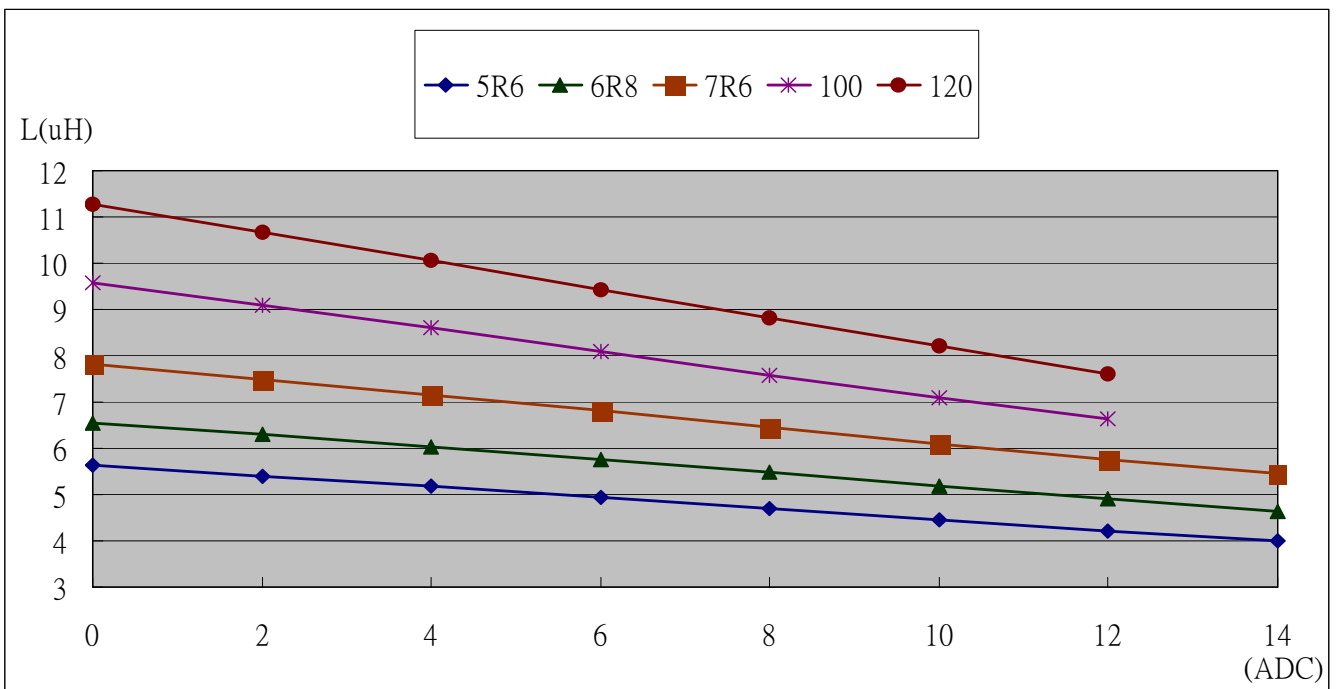
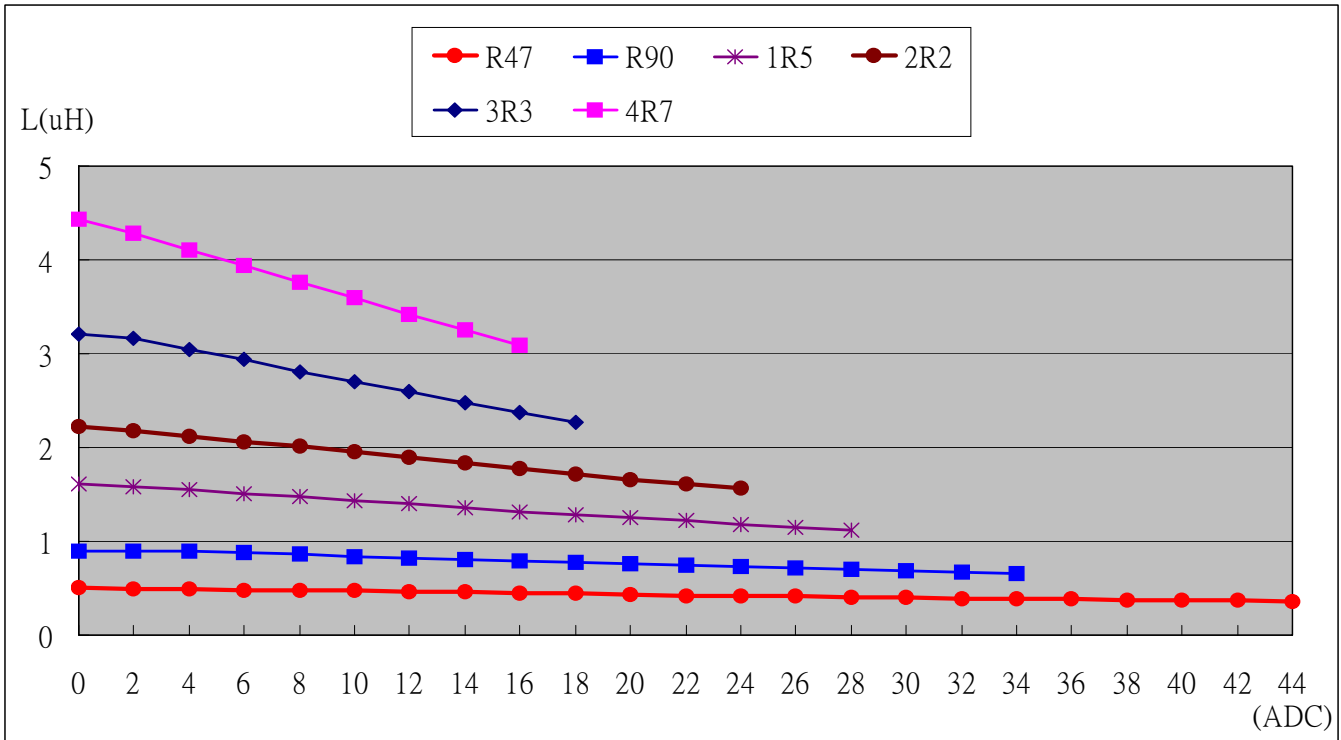
NOTE(3): The saturation current indicates the value of DC current is approximately 30% lower than its initial value of inductance.

NOTE(4): Operating temperature range: -40°C~+150°C.

Physical Dimension : (unit :mm)



INDUCTANCE vs DC BIAS:



PACKAGING SPEC:

1. REEL SIZE & UNITS PER REEL :13",400PCS.
2. TAPE WIDTH:24mm.
3. REEL WIDTH:29.5mm.
4. COMPONENT PITCH:16mm