

# SMD HIGH CURRENT POWER BEAD INDUCTOR



**MODEL NO. : SPB-05560 HF SERIES**

**FEATURES:**

- \* SUPERIOR QUALITY FOR AN AUTOMATED PRODUCTION LINE.
- \* PICK AND PLACE COMPATIBLE.
- \* TAPE AND REEL PACKING.
- \* FREQUENCY RANGE: UP TO 2 MHz.
- \* COMPLIANT WITH RoHS AND HALOGEN FREE.



**APPLICATION :**

- \* SERVERS.
- \* MOTHERBOARD.
- \* VGA CARD.

**ELECTRICAL SPECIFICATION:**

PART NO	INDUCTANCE @ 0 ADC (nH) ±20%	DCR (mΩ) ±5%	INDUCTANCE @SAT CURRENT (nH) Min	RATED CURRENT (ADC)	SATURATION CURRENT (ADC) (NOTE 2)	TEMPERATURE RISE CURRENT (ADC)
SPB-05560-R035-2 HF	35	0.20	24	50	75	50
SPB-05560-R055-2 HF	55	0.20	39	50	66	50
SPB-05560-R080-2 HF	80	0.20	56	50	45	50

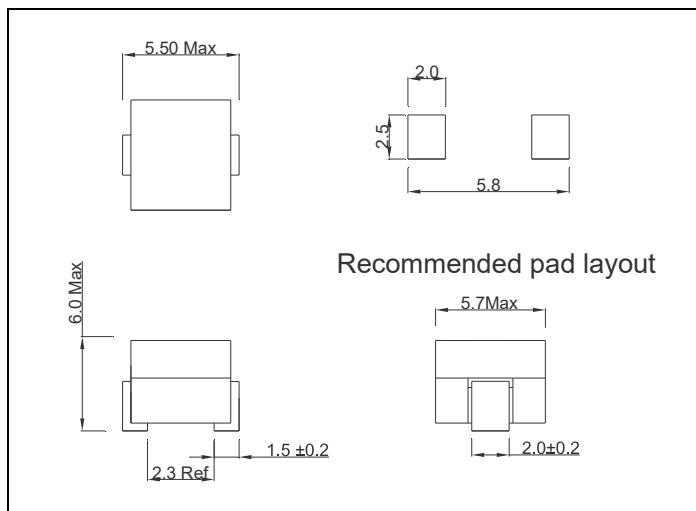
NOTE(1) : Test frequency: 100 KHZ,0.1Vrms.

NOTE(2) : The saturation current indicates the value of DC current is approximately 20% lower than its initial value of inductance.

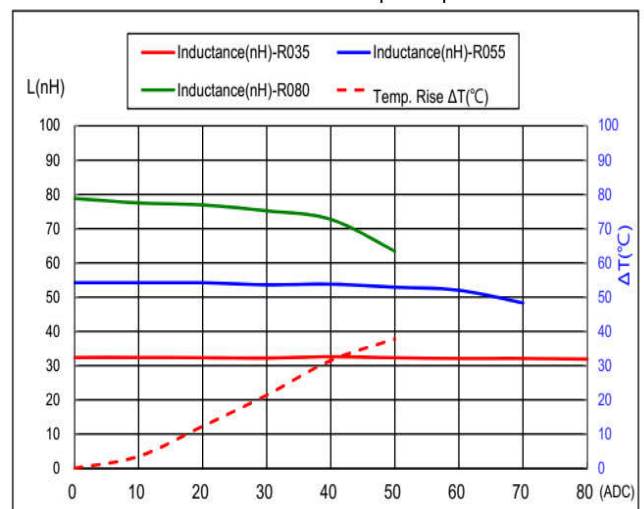
NOTE(3) : ΔT=40°C approximately under the temperature rise current.

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

**PHYSICAL DIMENSION : (UNIT:mm)**



**INDUCTANCE /TEMPERATURE RISE VS DC BIAS:**



**PACKAGING SPEC:**

1. REEL SIZE & UNITS PER REEL :13",700PCS.
2. TAPE WIDTH:12mm.
3. REEL WIDTH:16.2mm.
4. COMPONENT PITCH:12mm