

# SMD HIGH CURRENT POWER BEAD INDUCTOR



**MODEL NO. : SPB-10070 HF SERIES**

**FEATURES:**

- \* SUPERIOR QUALITY FOR AN AUTOMATED PRODUCTION LINE.
- \* PICK AND PLACE COMPATIBLE.
- \* TAPE AND REEL PACKING.
- \* FREQUENCY RANGE:UP TO 3 MHz.
- \* COMPLIANT WITH RoHS AND HALOGEN FREE.



**APPLICATION :**

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

**ELECTRICAL SPECIFICATION:**

PART NO	INDUCTANCE @ 0 ADC (nH) ±15%	DCR +/-10% (mΩ)	INDUCTANCE @RATED CURRENT (nH) Typ.	RATED CURRENT (ADC)	SATURATION CURRENT (ADC) (NOTE 2)	TEMPERATURE RISE CURRENT (ADC)
SPB-10070-R08-2 HF	80	0.185	80	68	120	68
SPB-10070-R10-2 HF	100	0.185	100	68	100	68
SPB-10070-R12-2 HF	120	0.185	120	68	94	68
SPB-10070-R15-2 HF	150	0.185	150	68	80	68
SPB-10070-R22-2 HF	220	0.185	210	52	55	68
SPB-10070-R33-2 HF	330	0.185	310	33	35	68

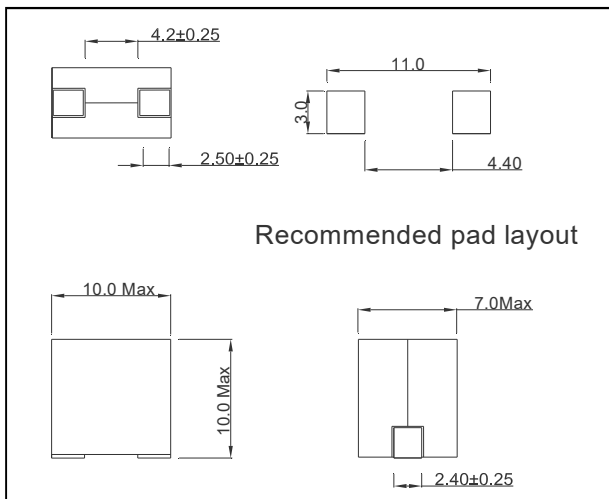
NOTE(1) : Test frequency: 100 KHZ,0.1Vrms.

NOTE(2) : The saturation current indicates the value of DC current is approximately 20% lower than its initial value of inductance at 25°C.

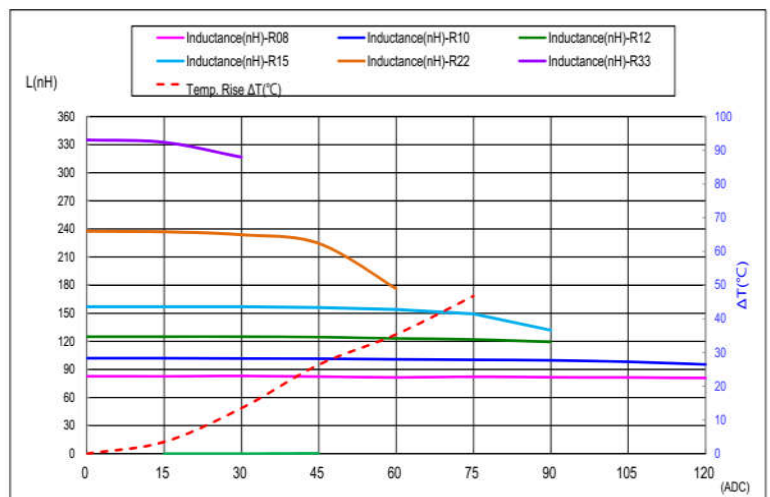
NOTE(3) : ΔT=40°C approximately under the temperature rise current.

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",350PCS.
2. TAPE WIDTH:24mm.
3. REEL WIDTH:29.5mm.
4. COMPONENT PITCH:16mm