

SMD HIGH CURRENT POWER BEAD INDUCTOR



MODEL NO. : SPB-09050A 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) ±15%	DCR (mΩ) ±5%	INDUCTANCE @SAT CURRENT (nH) Min	RATED CURRENT (ADC)	SATURATION CURRENT (ADC) (NOTE 2)	TEMPERATURE RISE CURRENT (ADC)
SPB-09050A-R15-2 HF	150	0.4	105	38	58	38
SPB-09050A-R18-2 HF	180	0.4	126	38	49	38
SPB-09050A-R21-2 HF	210	0.4	147	38	38	38
SPB-09050A-R27-2 HF	270	0.4	189	38	30	38
SPB-09050A-R33-2 HF	330	0.4	231	38	23	38
SPB-09050A-R47-2 HF	470 ±20%%	0.4	329	38	16	38

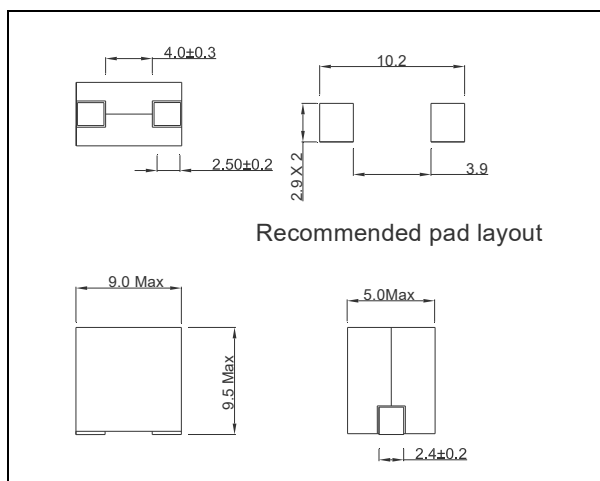
NOTE(1) : Test frequency: 100 KHz,0.1Vrms.

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

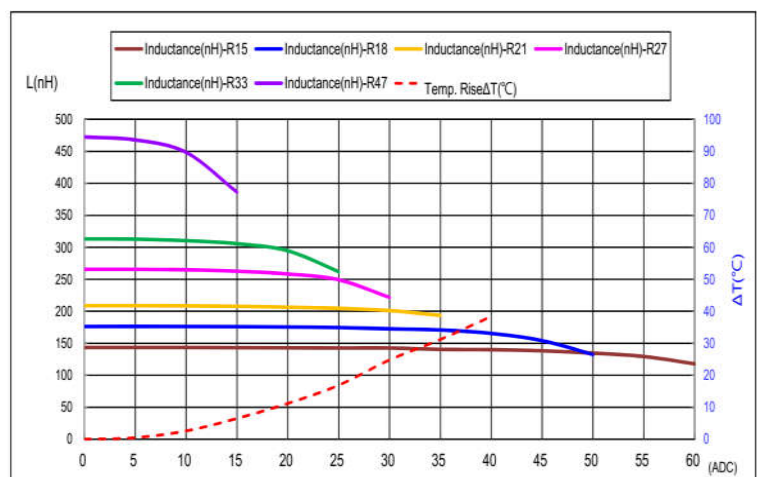
NOTE(3) : ΔT=40°C approximately under the temperature rise current without core loss, and actually for application, It is recommended that the temperature of the part not exceed 125°C under worst case operating conditions verified in the end application.

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",500PCS.
2. TAPE WIDTH:24mm.
3. REEL WIDTH:29.5mm.
4. COMPONENT PITCH:12mm