

SMD HIGH CURRENT POWER BEAD INDUCTOR



MODEL NO. : SPB-09050 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) +/-10%	INDUCTANCE @SAT CURRENT (nH) Min	RATED CURRENT (ADC)	SATURATION CURRENT (ADC) (NOTE 2)	TEMPERATURE RISE CURRENT (ADC)	Width MAX (mm)
SPB-09050-R03-2 HF	35	0.125	24	63	230	63	5.2
SPB-09050-R05-2 HF	55	0.125	38	63	155	63	5.2
SPB-09050-R07-2 HF	70	0.125	50	63	110	63	5.2
SPB-09050-R08-2 HF	80	0.125	56	63	97	63	5.2
SPB-09050-R09-2 HF	90	0.125	63	63	90	63	5.2
SPB-09050-R10-2 HF	100	0.125	70	63	80	63	5.2
SPB-09050-R12-2 HF	120	0.125	84	63	72	63	5.2
SPB-09050-R15-2 HF	150	0.125	105	63	58	63	5.2
SPB-09050-R18-2 HF	180	0.125	126	63	49	63	5.0
SPB-09050-R21-2 HF	210	0.125	147	63	38	63	5.0
SPB-09050-R24-2 HF	240	0.125	168	63	33	63	5.0
SPB-09050-R27-2 HF	270	0.125	189	63	30	63	5.0
SPB-09050-R33-2 HF	330	0.125	231	63	23	63	5.0
SPB-09050-R47-2 HF	470±20%	0.125	329	63	16	63	5.0

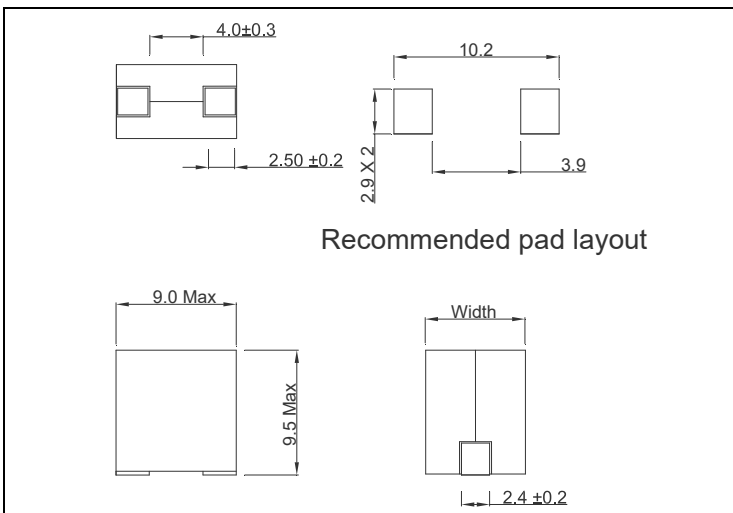
NOTE(1) : Test frequency: 100 KHz,0.1Vrms.

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)



PACKAGING SPEC:

1. REEL SIZE & UNITS PER REEL :13",500PCS.
2. TAPE WIDTH:24mm.
3. REEL WIDTH:29.5mm.
4. COMPONENT PITCH:12mm

INDUCTANCE /TEMPERATURE RISE VS DC BIAS:

