

SMD HIGH CURRENT POWER BEAD INDUCTOR



MODEL NO. : SPB-12057A 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 @SAT CURRENT (nH) Min	RATED CURRENT (ADC)	SATURATION CURRENT (ADC) (NOTE 2)	TEMPERATURE RISE CURRENT (ADC)
SPB-12057A-R07-2 HF	70	0.125	49	78	170	78
SPB-12057A-R08-2 HF	80	0.125	56	78	160	78
SPB-12057A-R10-2 HF	100	0.125	70	78	130	78
SPB-12057A-R12-2 HF	120	0.125	84	78	105	78
SPB-12057A-R15-2 HF	150	0.125	105	78	83	78
SPB-12057A-R22-2 HF	220	0.125	154	78	62	78
SPB-12057A-R33-2 HF	330	0.125	231	78	36	78
SPB-12057A-R47-2 HF	470	0.125	329	78	22	78

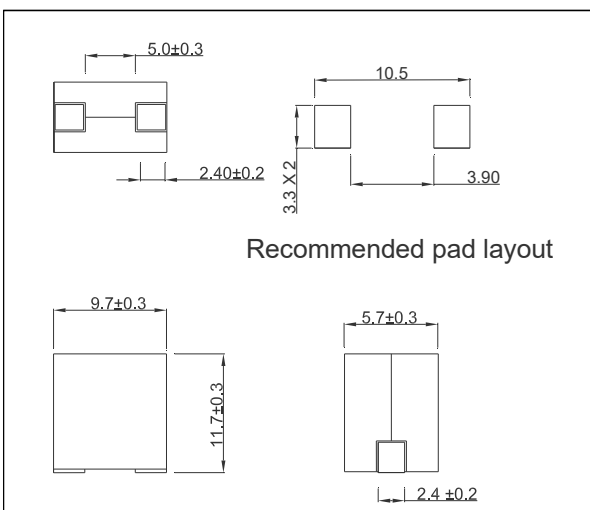
NOTE(1) : Test frequency: 100 KHZ, 0.1Vrms.

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

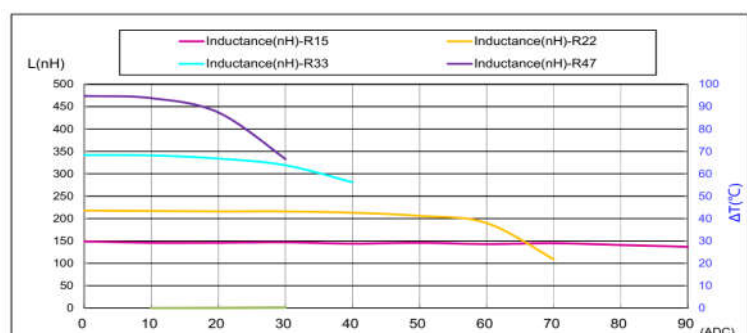
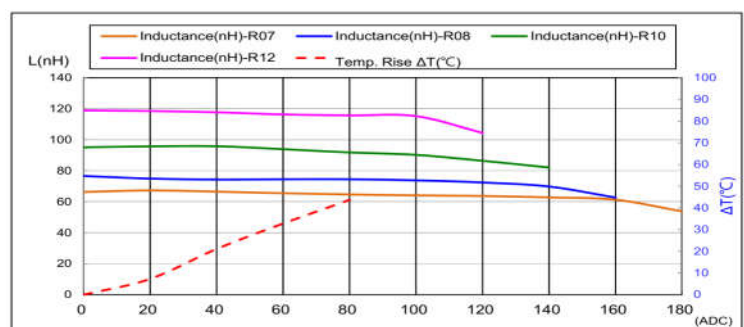
NOTE(3) : $\Delta T=40^{\circ}\text{C}$ approximately under the temperature rise current.

NOTE(4) : Operating temperature range: $-40^{\circ}\text{C}\sim+150^{\circ}\text{C}$.

PHYSICAL DIMENSION : (UNIT:mm)



INDUCTANCE /TEMPERATURE RISE VS DC BIAS:



PACKAGING SPEC:

1. REEL SIZE & UNITS PER REEL :13",300PCS.
2. TAPE WIDTH:24mm.
3. REEL WIDTH:29.5mm.
4. COMPONENT PITCH:16mm