

PRELIMINARY

SMD HIGH CURRENT POWER BEAD INDUCTORS



MODEL NO. : SPB-07650 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) $\pm 20\%$	DCR (m Ω) $\pm 5\%$	RATED CURRENT (ADC) (NOTE4)	TEMPERATURE RISE CURRENT (ADC) (NOTE3)	SATURATION CURRENT (ADC) (NOTE 2)
SPB-07650-R036-2 HF	36	0.17	55	55	100
SPB-07650-R050-2 HF	50	0.17	55	55	84
SPB-07650-R070-2 HF	70	0.17	55	55	65
SPB-07650-R10-2 HF	100	0.17	42	55	42
SPB-07650-R15-2 HF	150	0.17	30	55	30

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

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

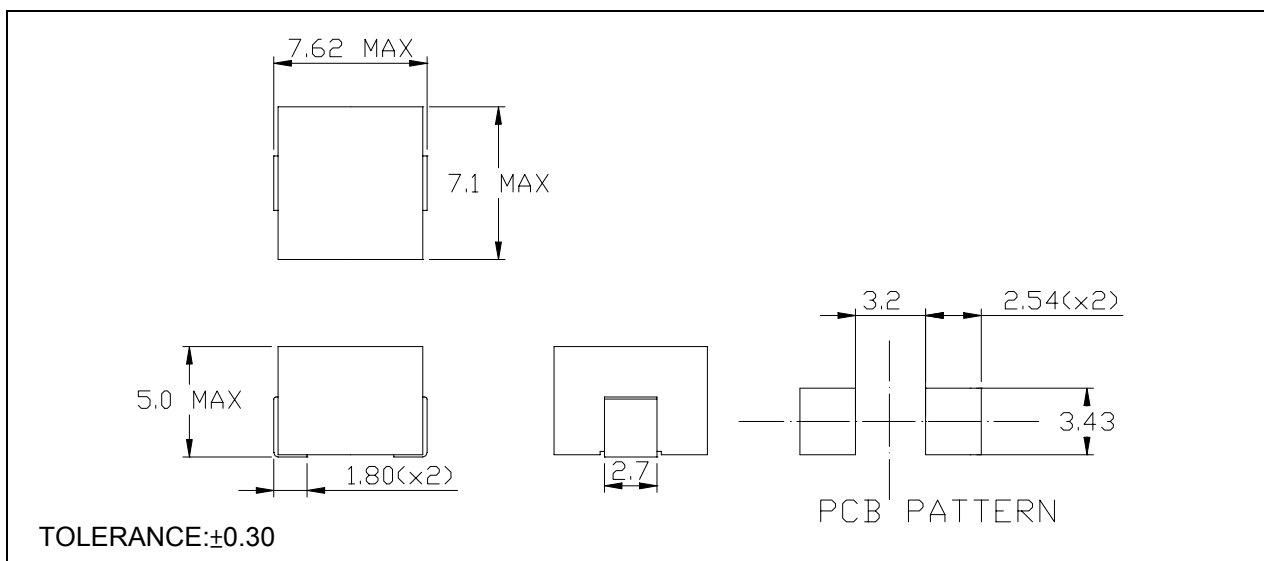
NOTE(3) : $\Delta T = 40^\circ\text{C}$ approximately under the temperature rise current.

NOTE(4) : The rated current is either the saturation current or the temperature rise current depending on which value is lower.

NOTE(5) : Operating temperature range: $-40^\circ\text{C} \sim +125^\circ\text{C}$.

NOTE (6): Weight : 1.0g

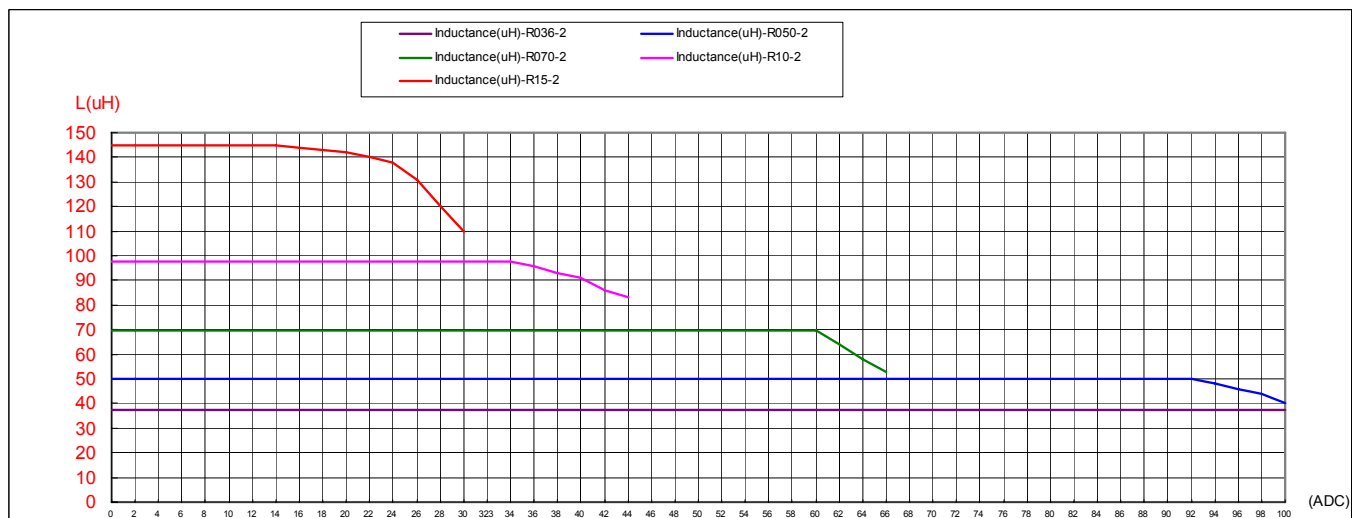
PHYSICAL DIMENSION : (UNIT:mm)



PACKAGING SPEC:

1. REEL SIZE & UNITS PER REEL : 13", 1000PCS.
2. TAPE WIDTH: 16mm.
3. REEL WIDTH: 22.4mm.
4. COMPONENT PITCH: 12mm

INDUCTANCE VS DC BIAS:



TEMPERATURE RISE VS DC BIAS :

