

SMD HIGH CURRENT POWER BEAD INDUCTOR

MODEL NO. : SPB-06030 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) Typical	INDUCTANCE @RATED CURRENT (nH) $\pm 20\%$	RATED CURRENT (ADC)	SATURATION CURRENT (ADC) (NOTE 2)	TEMPERATURE RISE CURRENT (ADC)
SPB-06030-R047-2 HF	47	0.24	42	39	42	39
SPB-06030-R068-2 HF	68	0.24	61.2	39	32	39
SPB-06030-R082-2 HF	82	0.24	74	39	26	39
SPB-06030-R10-2 HF	100	0.24	90	39	22	39
SPB-06030-R12-2 HF	120	0.24	108	39	18	39

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

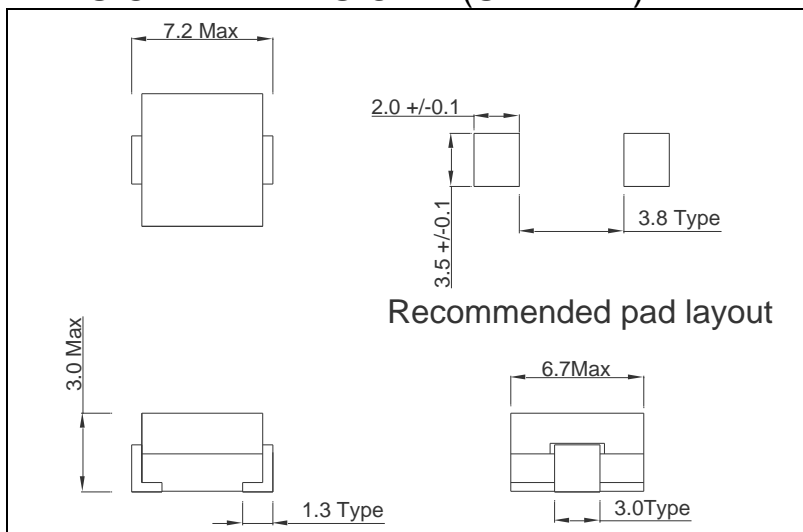
NOTE(2) : The saturation current indicates the value of DC current is approximately 20% lower than its initial value of inductance.

NOTE(3) : $\Delta T=40^{\circ}\text{C}$ 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",1000PCS.
2. TAPE WIDTH:16mm.
3. REEL WIDTH:22.4mm.
4. COMPONENT PITCH:12mm