

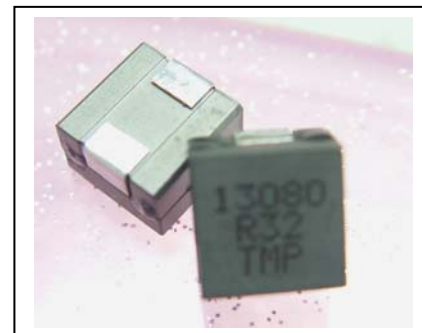
SMD HIGH CURRENT POWER BEAD INDUCTORS



MODEL NO. : SPB-13080 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) $\pm 10\%$	INDUCTANCE @RATED CURRENT (nH) TYP	RATED CURRENT (ADC)	SATURATION CURRENT (ADC) (NOTE 2)	TEMPERATURE RISE CURRENT (ADC) TYP
SPB-13080-R21-2 HF	210	0.3	210	45	71	45
SPB-13080-R26-2 HF	260	0.3	260	45	60	45
SPB-13080-R32-2 HF	320	0.3	285	41	45	45
SPB-13080-R44-2 HF	440	0.3	363	30	32	45

PART NO	INDUCTANCE @0 ADC (nH) $\pm 20\%$	DCR (m Ω) $\pm 14\%$	INDUCTANCE @RATED CURRENT (nH) TYP	RATED CURRENT (ADC)	SATURATION CURRENT (ADC) (NOTE 2)	TEMPERATURE RISE CURRENT (ADC) TYP
SPB-13080A-R21-2 HF	210	1.68	210	45	71	45
SPB-13080A-R26-2 HF	260	1.68	260	45	60	45
SPB-13080A-R32-2 HF	320	1.68	285	41	45	45
SPB-13080A-R44-2 HF	440	1.68	363	30	32	45

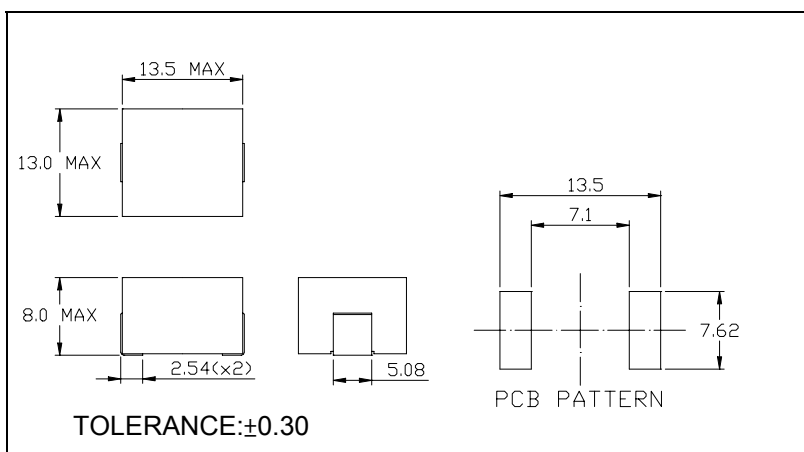
NOTE(1) : Test frequency: 100 KHZ,1Vrms.

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

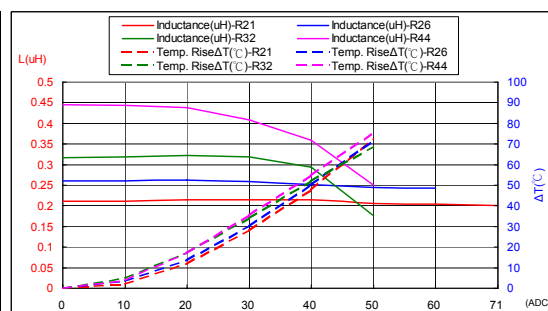
NOTE(3) : $\Delta T = 40^\circ\text{C}$ approximately under the temperature rise current.

NOTE(4): 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:24mm