

# SMD HIGH CURRENT POWER BEAD INDUCTOR

**MODEL NO. : SPB-11080 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) ±20% | DCR +/-5% (mΩ) | INDUCTANCE @RATED CURRENT (nH) ±20% | RATED CURRENT (ADC) | SATURATION CURRENT (ADC) (NOTE 2) | TEMPERATURE RISE CURRENT (ADC) |
|--------------------|-----------------------------|----------------|-------------------------------------|---------------------|-----------------------------------|--------------------------------|
| SPB-11080-R12-2 HF | 120                         | 0.18           | 108                                 | 75                  | 100                               | 75                             |
| SPB-11080-R15-2 HF | 150                         | 0.18           | 135                                 | 75                  | 85                                | 75                             |
| SPB-11080-R18-2 HF | 180                         | 0.18           | 162                                 | 75                  | 70                                | 75                             |
| SPB-11080-R22-2 HF | 220                         | 0.18           | 198                                 | 75                  | 58                                | 75                             |
| SPB-11080-R27-2 HF | 270                         | 0.18           | 243                                 | 75                  | 44                                | 75                             |
| SPB-11080-R30-2 HF | 300                         | 0.18           | 270                                 | 75                  | 36                                | 75                             |

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

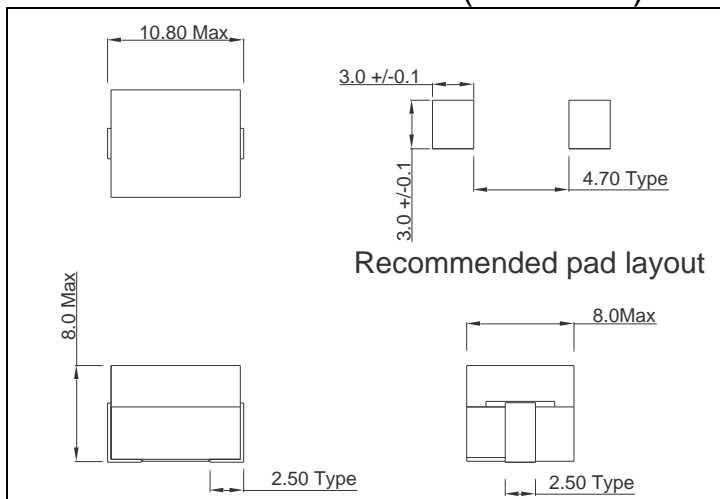
NOTE(2) : The saturation current indicates the value of DC current is approximately 20% lower than its initial value of inductance at 25°C .

NOTE(3) : ΔT=40°C approximately under the temperature rise current.

NOTE(4): Operating temperature range: -40°C ~+150°C.

**PHYSICAL DIMENSION : (UNIT:mm)**

**INDUCTANCE /TEMPERATURE RISE VS DC BIAS:**



**PACKAGING SPEC:**

1. REEL SIZE & UNITS PER REEL :13",750PCS.
2. TAPE WIDTH:24mm.
3. REEL WIDTH:29.5mm.
4. COMPONENT PITCH:12mm