

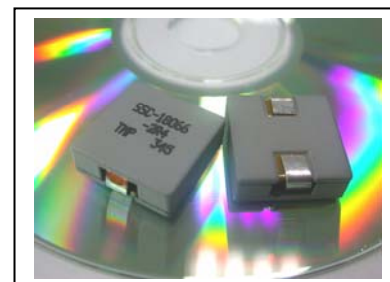
# SMD HIGH CURRENT INDUCTORS



MODEL NO. : SSC-18066 HF SERIES

## FEATURES:

- \* SUPERIOR QUALITY FOR AN AUTOMATED PRODUCTION LINE.
- \* PICK AND PLACE COMPATIBLE.
- \* TAPE AND REEL PACKING.
- \* COMPLIANT WITH RoHS AND HALOGEN FREE.



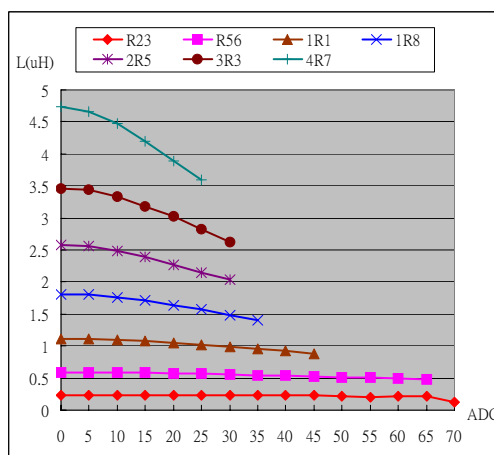
## APPLICATION :

- \* DC-DC CONVERTERS.
- \* SERVERS.
- \* ROUTERS.

## ELECTRICAL SPECIFICATION:

| PART NO          | INDUCTANCE<br>(uH) $\pm 20\%$ | DCR<br>$\pm 10\%$<br>(m $\Omega$ ) | INDUCTANCE<br>(uH) TYP<br>@ TEMPERATURE<br>RISE CURRENT | TEMPERATURE<br>RISE CURRENT<br>(ADC) | SATURATION<br>CURRENT<br>(ADC)<br>(NOTE 3) |
|------------------|-------------------------------|------------------------------------|---------------------------------------------------------|--------------------------------------|--------------------------------------------|
| SSC-18066-R23 HF | 0.23 $\pm 30\%$               | 0.28                               | 0.22                                                    | 34.0                                 | 70.0                                       |
| SSC-18066-R56 HF | 0.56                          | 0.57                               | 0.55                                                    | 28.0                                 | 65.0                                       |
| SSC-18066-1R1 HF | 1.1                           | 0.90                               | 1.0                                                     | 26.0                                 | 42.0                                       |
| SSC-18066-1R8 HF | 1.8                           | 1.50                               | 1.6                                                     | 22.0                                 | 32.0                                       |
| SSC-18066-2R5 HF | 2.5                           | 2.20                               | 2.2                                                     | 21.5                                 | 28.0                                       |
| SSC-18066-3R3 HF | 3.3                           | 3.0                                | 3.0                                                     | 20.0                                 | 25.0                                       |
| SSC-18066-4R7 HF | 4.7                           | 3.85                               | 4.0                                                     | 18.0                                 | 20.0                                       |

## INDUCTANCE VS DC BIAS:



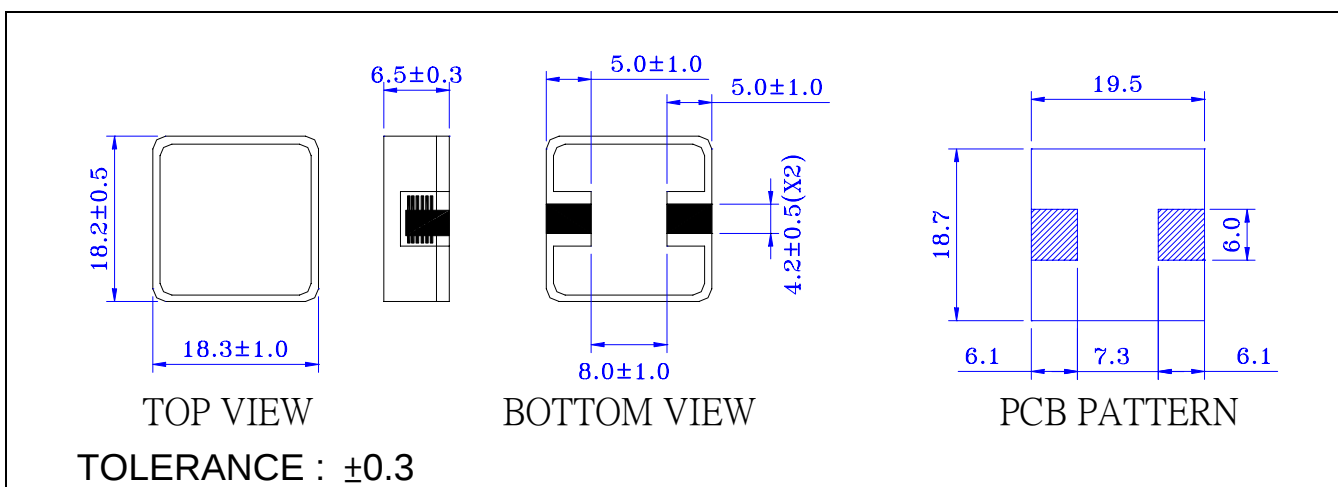
NOTE(1): Test frequency: 100 KHZ,1Vrms.

NOTE(2):  $\Delta T=40^{\circ}\text{C}$  approximately under the temperature rise current.

NOTE(3): The saturation current indicates the value of DC current is approximately 20% lower than its initial value of inductance.

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

## PHYSICAL DIMENSION : (UNIT:mm)



## PACKAGING SPEC:

1. REEL SIZE & UNITS PER REEL :13",250PCS.
2. TAPE WIDTH:32mm.
3. REEL WIDTH:38.4mm
4. COMPONENT PITCH:32mm