

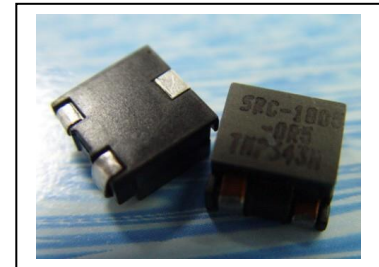
# SMD HIGH CURRENT INDUCTORS



**MODEL NO. : SRC-10050 HF SERIES**

**FEATURES:**

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



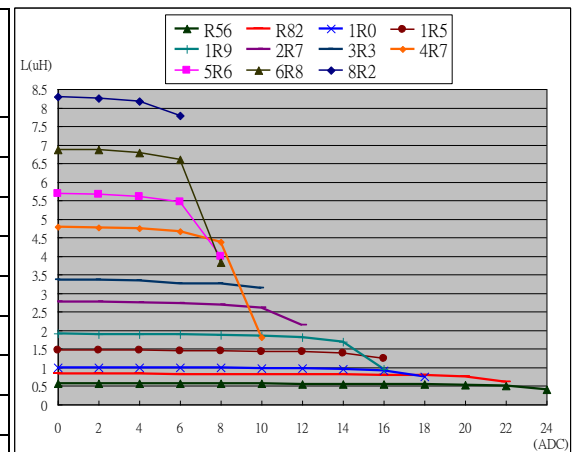
**APPLICATION :**

- \* NOTEBOOK COMPUTERS.
- \* MOTHERBOARD.
- \* ROUTERS.
- \* SERVERS.

**ELECTRICAL SPECIFICATION:**

PART NO	INDUCTANCE (uH) ±20%	DCR ±10% (mΩ)	INDUCTANCE (uH) TYP	TEMPERATURE RISE CURRENT (ADC)	SATURATION CURRENT (ADC) (NOTE 3)
SRC-10050-R56 HF	0.56	1.05	0.50	22.5	23.5
SRC-10050-R82 HF	0.82	2.0	0.78	20	22.0
SRC-10050-1R0 HF	1.0	2.0	0.53	19	18.0
SRC-10050-1R5 HF	1.5	3.5	1.36	13	16.0
SRC-10050-1R9 HF	1.9	5.1	1.85	12.5	14.5
SRC-10050-2R7 HF	2.7	6.9	2.5	10	12.0
SRC-10050-3R3 HF	3.3	8.9	3.4	9.0	11.0
SRC-10050-4R7 HF	4.7	12.0	4.5	7.5	8.5
SRC-10050-5R6 HF	5.6	13.0	5.2	7.0	7.5
SRC-10050-6R8 HF	6.8	15.6	6.3	6.8	7.5
SRC-10050-8R2 HF	8.2	25.0	8.0	4.8	6.2

**INDUCTANCE VS DC BIAS:**



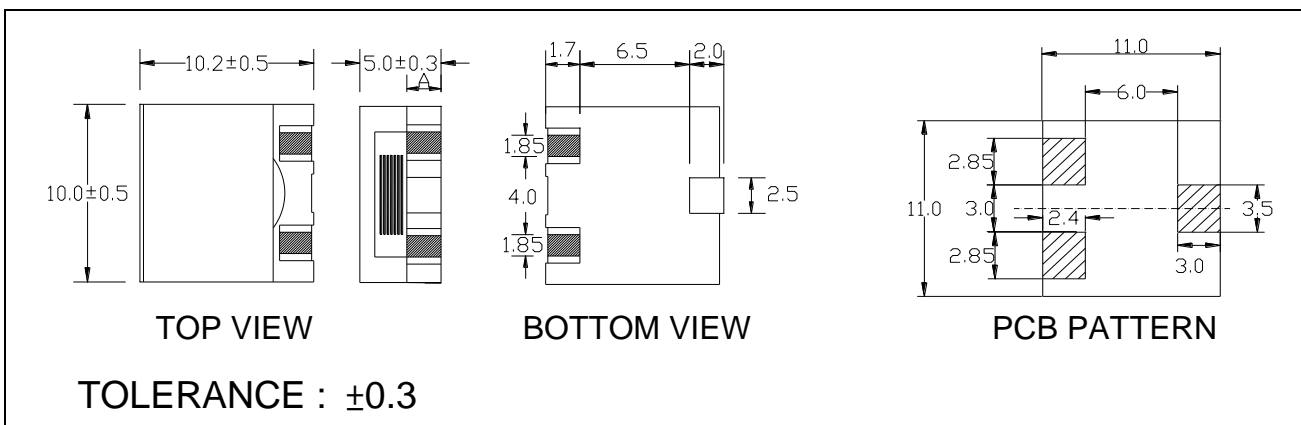
NOTE(1): Test frequency: 100 KHZ, 1Vrms.

NOTE(2): ΔT=40°C approximately under the temperature rise current.

NOTE(3): The saturation current indicates the value of DC current is approximately 30% lower than its initial value of inductance.

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

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



**PACKAGING SPEC:**

1. REEL SIZE & UNITS PER REEL :13",700PCS.
2. TAPE WIDTH:24mm.
3. REEL WIDTH:29.5mm.
4. COMPONENT PITCH:16mm