

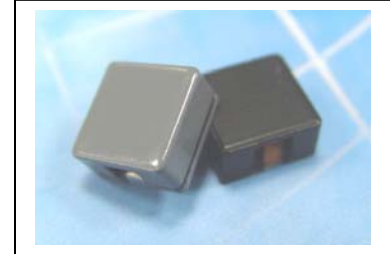
SMD

HIGH CURRENT INDUCTORS

MODEL NO. : SSC-12565N2 HF SERIES

FEATURES:

- * LOW PROFILE, HIGH POWER, LOWER LOSS, LOW DCR WITH LARGE CURRENT DESIGN.
- * CLOSED MAGNETIC CIRCUIT CONSTRUCTION FOR HIGH DENSITY BOARD ASSEMBLY .
- * HI-RESISTIVITY ALLOY CORE & RIBBON WIRE ENSURE THE MINIATURIZATION & HI-EFFICIENCY.
- * COMPLIANT WITH RoHS AND HALOGEN FREE.



APPLICATION :

- * DC/DC CONVERTER IN POWER REGULATION SYSTEM.
- NOTEBOOK COMPUTERS. ● DESKTOP PC. ● SERVERS. ● ROUTERS.

ELECTRICAL SPECIFICATION:

PART NO	INDUCTANCE (μ H) TYP. @0ADC	INDUCTANCE (μ H) $\pm$ 20% @ TEMPERATURE RISE CURRENT	TEMPERATURE RISE CURRENT (ADC)	INDUCTANCE (μ H) TYP. @ SATURATION CURRENT	SATURATION CURRENT (ADC) (NOTE 3)	DCR $\pm$ 10% (m Ω)
SSC-12565N2-0R4 HF	0.47	0.36	32	0.32	44	0.64
SSC-12565N2-0R5 HF	0.6	0.55	30	0.5	40	0.68
SSC-12565N2-0R6 HF	0.65	0.6	30	0.5	40	0.68
SSC-12565N2-1R5 HF	2.1	1.5	21	1.3	26	1.7
SSC-12565N2-2R2 HF	3.0	2.2	17	1.85	23	2.5
SSC-12565N2-3R0 HF	4.0	3.0	15.0	2.75	18	3.4
SSC-12565N2-3R8 HF	5.4	3.8	14.0	3.75	14.5	4.9
SSC-12565N2-5R0 HF	7.4	5.0	12.0	5.3	10.5	5.9
SSC-12565N2-6R3 HF	9.2	6.3	10.5	6.5	9.8	7.6
SSC-12565N2-7R9 HF	11.3	7.9	9.5	8.0	9.0	9.1
SSC-12565N2-9R3 HF	13.0	9.3	8.5	9.6	8.0	11.0
SSC-12565N2-110 HF	15.4	11.5	7.0	11.2	7.5	14.0
SSC-12565N2-140 HF	18.0	14.0	6.6	13.0	7.5	22.0
SSC-12565N2-160 HF	22.0	16.0	6.0	15.5	6.5	24.3
SSC-12565N2-230 HF	33.0	23.0	5.3	23.0	5.3	30.5

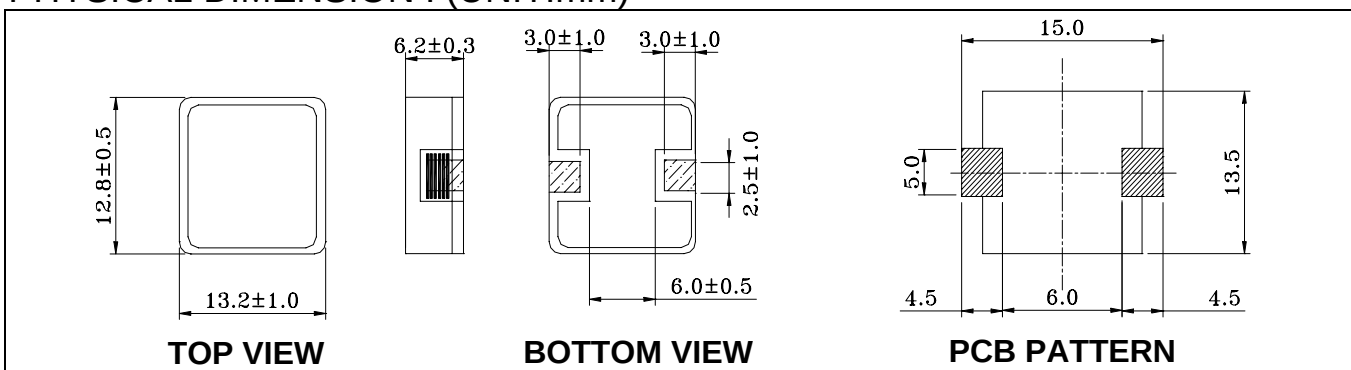
NOTE(1): Measuring condition: 100 KHZ, 0.1Vrms.

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 30% 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",400PCS.
2. TAPE WIDTH:24mm.
3. REEL WIDTH:29.5mm.
4. COMPONENT PITCH:16mm