

SMD HIGH CURRENT INDUCTORS



MODEL NO. : SSC-12550SS/12550SD HF

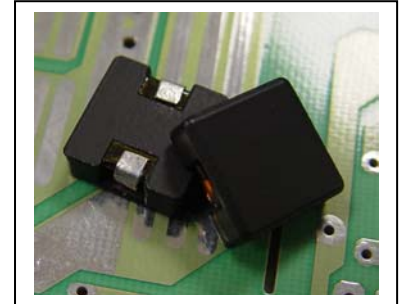
FEATURES:

- * LOW CORE LOSS, HIGH EFFICIENCY PERFORMANCE, HIGH MAGNETIC CHARACTERISTICS.
- * CLOSED MAGNETIC FIELD CONSTRUCTION FOR HIGH DENSITY BOARD ASSEMBLY .
- * 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) $\pm 20\%$ @0ADC	INDUCTANCE (μ H) TYP. @TEMPERATURE RISE CURRENT	TEMPERATURE RISE CURRENT (ADC)	INDUCTANCE (μ H) TYP. @ SATURATION CURRENT	SATURATION CURRENT (ADC) (NOTE 3)	DCR $\pm 10\%$ (m Ω)
SSC-12550SD-R19 HF	0.19 $\pm 30\%$	0.17	34.0	0.16	40.0	0.50
SSC-12550SS-R27 HF	0.27 $\pm 30\%$	0.22	27.0	0.21	30.0	0.50
SSC-12550SD-R47 HF	0.47	0.38	26.0	0.37	28	0.90
SSC-12550SS-R62 HF	0.62	0.46	22.0	0.47	20.5	0.90
SSC-12550SD-R90 HF	0.90	0.75	21.0	0.65	27.0	1.62
SSC-12550SS-1R2 HF	1.20	0.75	21.0	0.80	17.0	1.62
SSC-12550SD-1R4 HF	1.40	1.10	20.0	1.00	25.0	2.40
SSC-12550SS-1R8 HF	1.80	1.05	18.5	1.26	12.5	2.40
SSC-12550SD-2R3 HF	2.30	1.65	17.0	1.55	20.0	3.60
SSC-12550SS-2R8 HF	2.80	1.60	16.0	2.00	10.0	3.60
SSC-12550SD-3R2 HF	3.20	2.30	14.0	2.30	14.0	5.30
SSC-12550SS-4R0 HF	4.00	2.30	13.0	2.80	8.5	5.30
SSC-12550SD-4R8 HF	4.80	4.05	8.0	3.65	11.0	10.60
SSC-12550SS-5R3 HF	5.30	2.85	12.0	3.70	7.5	6.70
SSC-12550SD-6R0 HF	6.00	5.00	7.5	4.50	10.0	13.70
SSC-12550SS-6R8 HF	6.80	5.20	10.0	4.80	12.0	9.40
SSC-12550SS-8R2 HF	8.20	6.20	9.0	6.20	9.0	11.8
SSC-12550SS-100 HF	10.00	7.50	8.0	7.20	8.5	15.0

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.

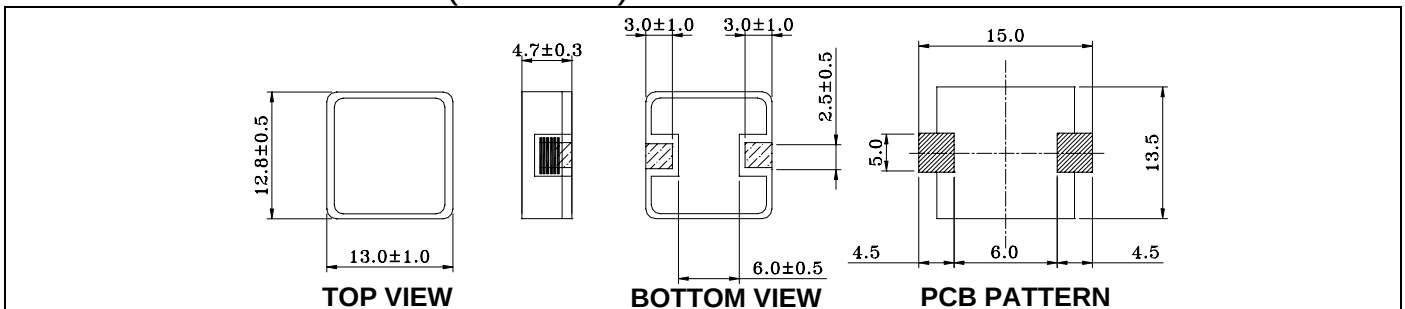
NOTE(4): Operating temperature range: $-40^{\circ}\text{C} \sim +150^{\circ}\text{C}$

PART NUMBER GUIDE:

SS:BOTH E & I CORES ARE SENDUST

SD:E CORE IS SENDUST,I CORE IS DUST.

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