

LOW PROFILE SMD POWER INDUCTORS



MODEL NO. : SPC-03215 HF SERIES(CDRH2D14 COMPATIBLE)
FEATURES:

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



APPLICATION :

- * PDA.
- * CELLULAR PHONE.
- * DIGITAL STILL CAMERAS.
- * PC CAMERAS.

ELECTRICAL SPECIFICATION:

PART NO	INDUCTANCE (uH)	DCR MAX (Ω)	TEMPERATURE RISE CURRENT (ADC)	SATURATION CURRENT(ADC) (NOTE 4)
SPC-03215-R21 HF	0.21	0.021	4.74	3.80
SPC-03215-R36 HF	0.36	0.026	4.10	3.25
SPC-03215-R60 HF	0.60	0.033	3.45	2.20
SPC-03215-R82 HF	0.82	0.039	2.85	2.10
SPC-03215-1R2 HF	1.2	0.049	2.75	1.95
SPC-03215-1R5 HF	1.5	0.063	2.00	1.80
SPC-03215-1R8 HF	1.8	0.075	1.80	1.65
SPC-03215-2R2 HF	2.2	0.094	1.60	1.50
SPC-03215-2R7 HF	2.7	0.106	1.40	1.35
SPC-03215-3R3 HF	3.3	0.125	1.24	1.20
SPC-03215-3R9 HF	3.9	0.138	1.12	1.10
SPC-03215-4R7 HF	4.7	0.169	1.00	1.00
SPC-03215-5R6 HF	5.6	0.188	0.98	0.95
SPC-03215-6R8 HF	6.8	0.213	0.92	0.85
SPC-03215-8R2 HF	8.2	0.281	0.80	0.80
SPC-03215-100 HF	10	0.294	0.76	0.70
SPC-03215-120 HF	12	0.394	0.64	0.62

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

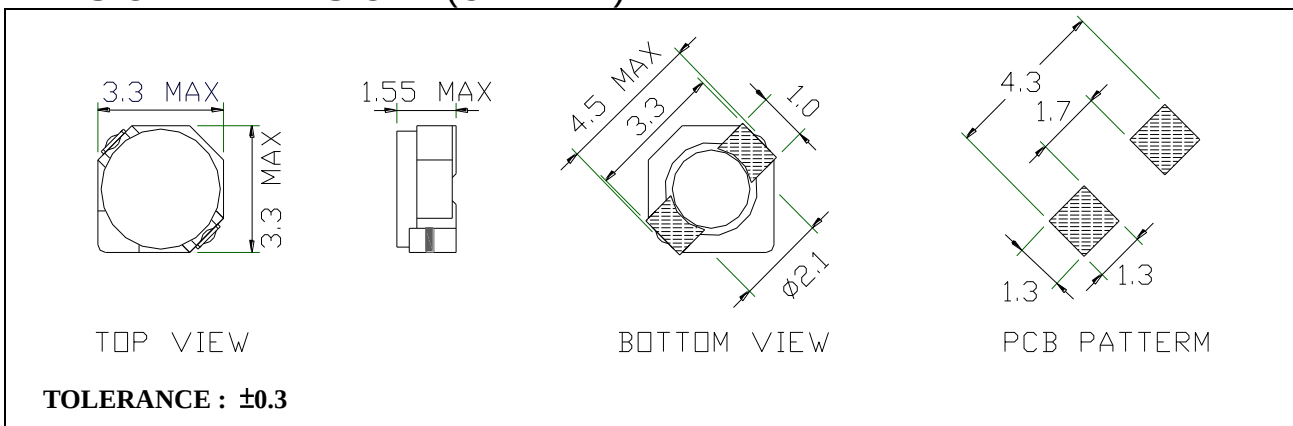
NOTE (2): 0.21 uH ~0.82 uH : $\pm 35\%$, 1.2 uH ~12 uH : $\pm 30\%$

NOTE (3): $\Delta T=40^{\circ}\text{C}$ approximately under the temperature rise current.

NOTE (4): The saturation current indicates the value of DC current is approximately 35% lower than its initial value of inductance.

NOTE(5): Operating temperature range: $-30^{\circ}\text{C} \sim +85^{\circ}\text{C}$.

PHYSICAL DIMENSION : (UNIT:mm)



PACKAGING SPEC:

1. REEL SIZE & UNITS PER REEL :13",4000PCS.
2. TAPE WIDTH:12mm.
3. REEL WIDTH:16.2mm.
4. COMPONENT PITCH:8mm