

SMD POWER INDUCTORS



MODEL NO. : SPC-12565P/12575P HF SERIES

FEATURES:

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



APPLICATION :

- * NOTEBOOK COMPUTERS.
- * DC-DC CONVERTORS.
- * PROTABLE TELEPPHONES

ELECTRICAL SPECIFICATION:

PART NO	INDUCTANCE (uH)	DCR (Ω) MAX	RATED CURRENT (ADC)
SPC-12565P-2R0 HF	2.0	0.014	6.20
SPC-12565P-4R2 HF	4.2	0.018	5.50
SPC-12565P-7R0 HF	7.0	0.022	5.00
SPC-12565P-100 HF	10	0.025	4.80
SPC-12565P-150 HF	15	0.029	4.40
SPC-12565P-220 HF	22	0.038	3.80
SPC-12565P-330 HF	33	0.049	3.40
SPC-12565P-470 HF	47	0.070	2.80
SPC-12565P-680 HF	68	0.095	2.40
SPC-12565P-101 HF	100	0.150	1.90
SPC-12565P-151 HF	150	0.260	1.40
SPC-12565P-221 HF	220	0.330	1.20
SPC-12565P-331 HF	330	0.600	0.95
SPC-12575P-1R2 HF	1.2	0.009	8.20
SPC-12575P-2R7 HF	2.7	0.012	7.00
SPC-12575P-3R9 HF	3.9	0.013	6.70
SPC-12575P-5R6 HF	5.6	0.014	6.30
SPC-12575P-6R8 HF	6.8	0.016	5.90
SPC-12575P-100 HF	10	0.019	5.40
SPC-12575P-150 HF	15	0.023	5.00
SPC-12575P-220 HF	22	0.032	4.00
SPC-12575P-330 HF	33	0.048	3.20
SPC-12575P-470 HF	47	0.064	2.70
SPC-12575P-680 HF	68	0.094	2.00
SPC-12575P-101 HF	100	0.150	1.90
SPC-12575P-151 HF	150	0.210	1.50
SPC-12575P-221 HF	220	0.310	1.30
SPC-12575P-331 HF	330	0.410	1.00

NOTE(1): Test frequency: 100 kHz, 0.5 Vrms.

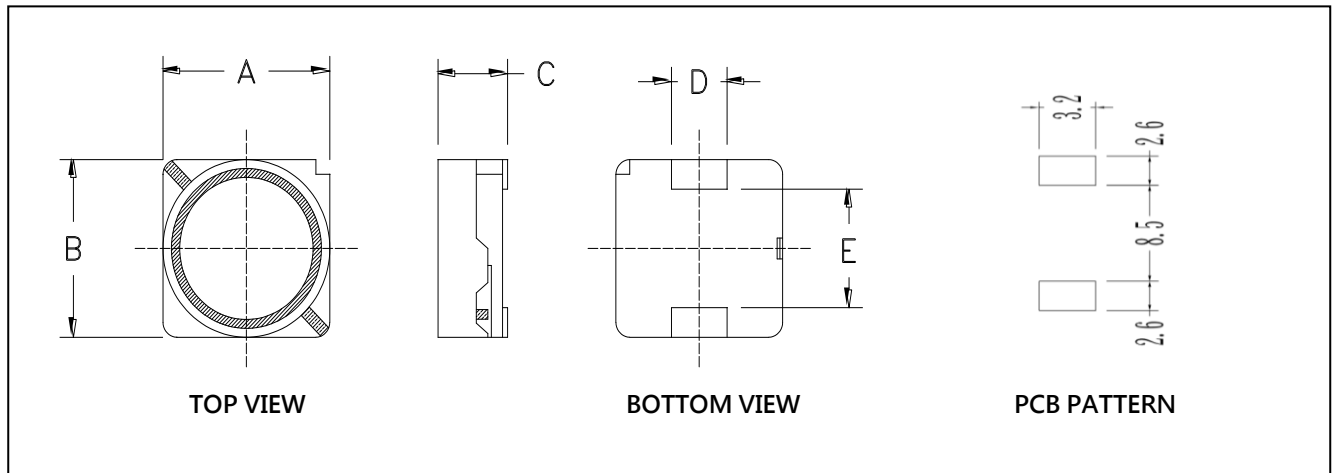
NOTE(2): Inductance tolerance:SPC-12565P : 2.0uH~7.0uH : ±30% ; 10uH~330uH :±20%

SPC-12575P : 1.2uH~6.8uH : ±30% ; 10uH~330uH :±20%

NOTE(3): The rated current indicates the value of DC current is approximately 35% lower than its initial value of inductance and $\Delta T=40^{\circ}\text{C}$ approximately.

NOTE(4): Operating temperature range: $-20^{\circ}\text{C} \sim +85^{\circ}\text{C}$.

PHYSICAL DIMENSION : (UNIT:mm)



PART NO	A ±0.3	B ±0.3	C ±0.35	D TYP	E TYP
SPC-12565P	12.5	12.5	6.5	3.0	8.6
SPC-12575P	12.5	12.5	7.5	3.0	8.6

PACKAGING SPEC:

1. REEL SIZE & UNITS PER REEL :13",500PCS.
2. TAPE WIDTH:24mm.
3. REEL WIDTH:29.5mm
4. COMPONENT PITCH:16mm
5. Weight : SPC-12565P : 3.0 g / pcs typ. SPC-12575P : 3.4 g / pcs typ