

SMD POWER INDUCTORS



MODEL NO. : SPC-04730 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.
- * DC-DC CONVERTORS.
- * DC-AC INVERTERS.
- * PDA.
- * DIGITAL STILL CAMERAS.
- * PC CAMERAS.

ELECTRICAL SPECIFICATION:

PART NO	INDUCTANCE (μ H)	DCR MAX (Ω)	SATURATION CURRENT(ADC) (NOTE 3)	TEMPERATURE RISE CURRENT (ADC MAX)
SPC-04730-0R9 HF	0.9	0.019	3.80	4.50
SPC-04730-2R0 HF	2.0	0.024	2.60	3.70
SPC-04730-3R0 HF	3.0	0.040	2.20	3.00
SPC-04730-4R7 HF	4.7	0.062	1.80	2.80
SPC-04730-6R3 HF	6.3	0.070	1.30	1.90
SPC-04730-100 HF	10	0.095	1.15	1.60
SPC-04730-150 HF	15	0.13	1.00	1.50
SPC-04730-220 HF	22	0.17	0.85	1.30
SPC-04730-330 HF	33	0.23	0.70	1.15
SPC-04730-470 HF	47	0.31	0.52	0.85
SPC-04730-680 HF	68	0.45	0.47	0.75
SPC-04730-101 HF	100	0.62	0.26	0.65
SPC-04730-151 HF	150	1.20	0.21	0.45
SPC-04730-471 HF	470	3.00	0.15	0.35
SPC-04730-681 HF	680	5.0	0.10	0.30
SPC-04730-102 HF	1000	6.2	0.11	0.25

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

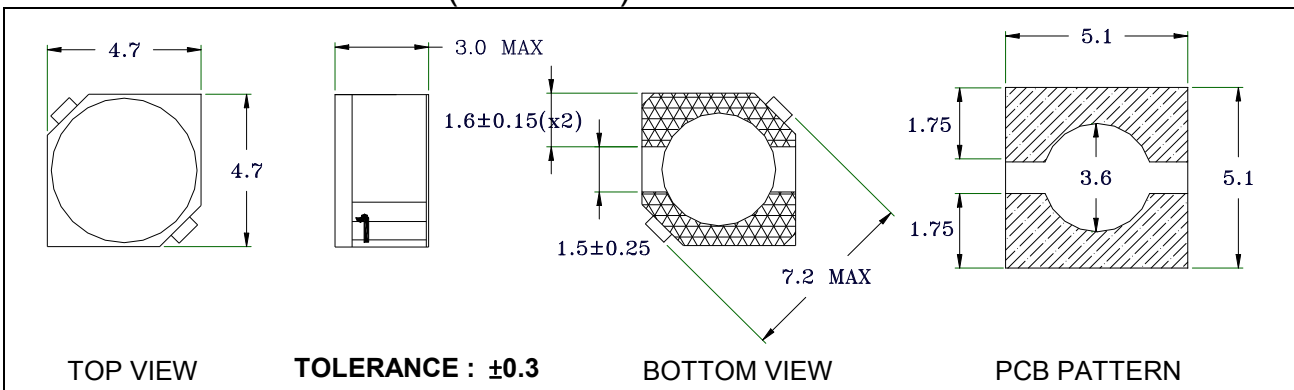
NOTE(2): 0.9~6.3 μ H: $\pm 30\%$, 10~680 μ H: $\pm 20\%$

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

NOTE(4): $\Delta T = 40^\circ\text{C}$ approximately under the temperature rise current.

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", 1500PCS.
2. TAPE WIDTH: 16mm.
3. REEL WIDTH: 22.4mm.
4. COMPONENT PITCH: 12mm