

# SMD POWER INDUCTORS

MODEL NO. : SPC-0605 SERIES (646CY COMPATIBLE)

## FEATURES:

- \* SUPERIOR QUALITY FOR AN AUTOMATED PRODUCTION LINE.
- \* PICK AND PLACE COMPATIBLE.
- \* TAPE AND REEL PACKING.



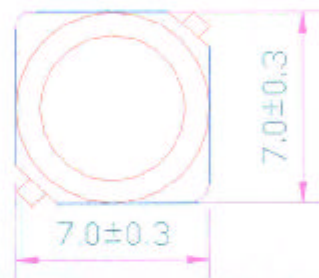
## APPLICATION :

- \* NOTEBOOK COMPUTERS.
- \* DC-DC CONVERTORS.
- \* DC-AC INVERTERS.
- \* PDA
- \* DIGITAL STILL CAMERAS.
- \* PC CAMERAS.

## ELECTRICAL SPECIFICATION:

## PHYSICAL DIMENSION : (UNIT:mm)

PART NO.	INDUCTANCE ( $\mu$ H) $\pm 20\%$	D.C.R. MAX ( $\Omega$ )	RATED CURRENT (A)
SPC-0605-1R0	1.0	0.020	2.88
SPC-0605-1R5	1.5	0.020	2.61
SPC-0605-2R2	2.2	0.025	2.46
SPC-0605-3R3	3.3	0.035	2.28
SPC-0605-4R7	4.7	0.041	2.08
SPC-0605-6R8	6.8	0.047	1.94
SPC-0605-100	10	0.050	1.68
SPC-0605-120	12	0.055	1.54
SPC-0605-150	15	0.060	1.39
SPC-0605-180	18	0.090	1.26
SPC-0605-220	22	0.11	1.13
SPC-0605-270	27	0.15	1.02
SPC-0605-330	33	0.17	0.84
SPC-0605-390	39	0.18	0.80
SPC-0605-470	47	0.22	0.76
SPC-0605-560	56	0.28	0.64
SPC-0605-680	68	0.32	0.60
SPC-0605-820	82	0.39	0.57
SPC-0605-101	100	0.46	0.50
SPC-0605-121	120	0.52	0.47
SPC-0605-151	150	0.73	0.40
SPC-0605-181	180	0.78	0.39
SPC-0605-221	220	0.94	0.33
SPC-0605-271	270	1.25	0.31
SPC-0605-331	330	1.40	0.27
SPC-0605-391	390	1.52	0.27
SPC-0605-471	470	1.70	0.25
SPC-0605-561	560	2.39	0.23
SPC-0605-681	680	2.50	0.21
SPC-0605-821	820	3.00	0.20
SPC-0605-102	1000	3.50	0.18



**TOLERANCE :  $\pm 0.3$**

**PCB PATTERN**

NOTE (1): TEST FREQUENCY: 10 kHz, 1 VRMS.

NOTE (2): THIS INDICATES THE VALUE OF DC CURRENT WHICH THE INDUCTANCE IS 25% LOWER THAN ITS INITIAL VALUE AND/OR  $\Delta T=40^{\circ}\text{C}$  UNDER THIS DC CURRENT BIAS.