

# SMD POWER INDUCTORS

MODEL NO. : SPC-0603 SERIES (636CY COMPATIBLE)

## FEATURES:

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



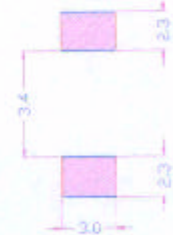
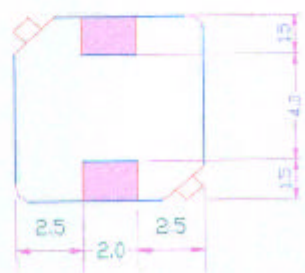
## APPLICATION :

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

## ELECTRICAL SPECIFICATION:

PART NO.	INDUCTANCE ( $\mu$ H) $\pm 20\%$	D.C.R. MAX ( $\Omega$ )	RATED CURRENT (A)
SPC-0603-1R0	1.0	0.019	3.12
SPC-0603-1R5	1.5	0.023	2.85
SPC-0603-2R2	2.2	0.028	2.66
SPC-0603-3R3	3.3	0.035	2.26
SPC-0603-4R7	4.7	0.043	1.96
SPC-0603-6R8	6.8	0.055	1.76
SPC-0603-100	10	0.080	1.68
SPC-0603-120	12	0.090	1.52
SPC-0603-150	15	0.12	1.33
SPC-0603-180	18	0.13	1.20
SPC-0603-220	22	0.18	1.07
SPC-0603-270	27	0.21	0.96
SPC-0603-330	33	0.25	0.91
SPC-0603-390	39	0.28	0.77
SPC-0603-470	47	0.35	0.76
SPC-0603-560	56	0.43	0.68
SPC-0603-680	68	0.52	0.61
SPC-0603-820	82	0.60	0.57
SPC-0603-101	100	0.70	0.50
SPC-0603-121	120	0.89	0.49
SPC-0603-151	150	1.10	0.43
SPC-0603-181	180	1.30	0.39
SPC-0603-221	220	1.60	0.35
SPC-0603-271	270	2.20	0.32
SPC-0603-331	330	2.40	0.28
SPC-0603-391	390	2.60	0.26
SPC-0603-471	470	3.50	0.24
SPC-0603-561	560	3.70	0.22
SPC-0603-681	680	4.20	0.19
SPC-0603-821	820	6.00	0.18
SPC-0603-102	1000	7.20	0.16

## PHYSICAL DIMENSION : (UNIT:mm)



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.