

# SMD POWER INDUCTORS

MODEL NO. : SPC-0602 SERIES

## FEATURES:

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



## APPLICATION :

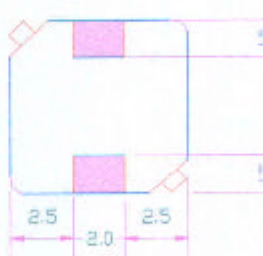
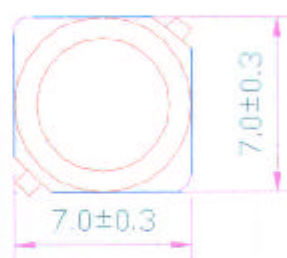
- \* NOTEBOOK COMPUTERS.
- \* DC-DC CONVERTORS.
- \* DC-AC INVERTERS.
- \* PDA
- \* DIGITAL STILL CAMERAS.
- \* PC CAMERAS.

## ELECTRICAL SPECIFICATION:

## PHYSICAL DIMENSION :

(UNIT:mm)

PART NO.	INDUCTANCE ( $\mu$ H) $\pm 20\%$	D.C.R. MAX ( $\Omega$ )	RATED CURRENT (A)
SPC-0602-1R0	1.0	0.021	3.12
SPC-0602-1R5	1.5	0.026	2.85
SPC-0602-2R2	2.2	0.030	2.66
SPC-0602-3R3	3.3	0.040	2.26
SPC-0602-4R7	4.7	0.048	1.96
SPC-0602-6R8	6.8	0.060	1.76
SPC-0602-100	10	0.090	1.68
SPC-0602-120	12	0.11	1.52
SPC-0602-150	15	0.14	1.33
SPC-0602-180	18	0.15	1.20
SPC-0602-220	22	0.23	1.07
SPC-0602-270	27	0.26	0.96
SPC-0602-330	33	0.30	0.91
SPC-0602-390	39	0.33	0.77
SPC-0602-470	47	0.40	0.76
SPC-0602-560	56	0.48	0.68
SPC-0602-680	68	0.57	0.61
SPC-0602-820	82	0.65	0.57
SPC-0602-101	100	0.75	0.50
SPC-0602-121	120	0.90	0.49
SPC-0602-151	150	1.30	0.43
SPC-0602-181	180	1.50	0.39
SPC-0602-221	220	1.80	0.35
SPC-0602-271	270	2.40	0.32
SPC-0602-331	330	2.60	0.28
SPC-0602-391	390	2.80	0.26
SPC-0602-471	470	3.70	0.24
SPC-0602-561	560	4.00	0.22
SPC-0602-681	680	4.40	0.19
SPC-0602-821	820	6.30	0.18
SPC-0602-102	1000	7.50	0.16



**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.