

# SMD POWER INDUCTORS

MODEL NO. : SMI-1607 SERIES (D05022P COMPATIBLE)

**FEATURES:**

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



**APPLICATION :**

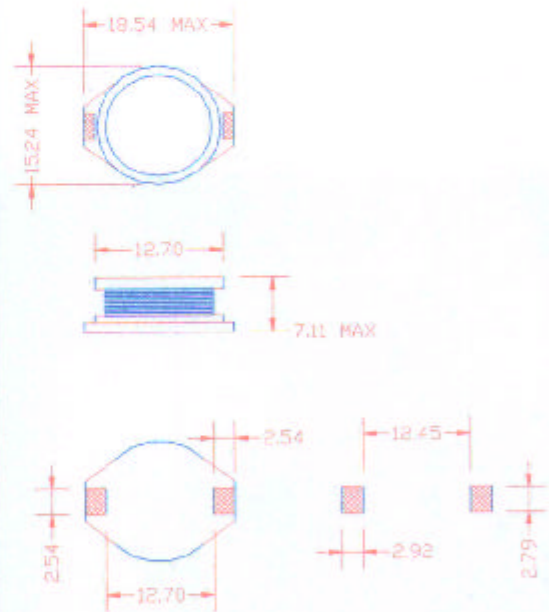
- \* NOTEBOOK COMPUTERS.
- \* DC-DC CONVERTORS.
- \* DC-AC INVERTERS.

**ELECTRICAL SPECIFICATION:**

(UNIT:mm)

PART NO.	INDUCTANCE ( $\mu\text{H} \pm 20\%$ )	D.C.R. MAX ( $\Omega$ )	I <sub>rms</sub> (A)	I <sub>sat</sub> (ADC)
SMI-1607-1R1	1.0	0.009	8.6	20
SMI-1607-2R2	2.2	0.014	7.1	16
SMI-1607-3R2	3.3	0.015	6.2	14
SMI-1607-5R6	5.6	0.020	5.3	12
SMI-1607-100	10	0.031	4.3	10
SMI-1607-150	15	0.036	4.0	8.0
SMI-1607-220	22	0.047	3.5	7.0
SMI-1607-330	33	0.066	3.0	5.5
SMI-1607-470	47	0.086	2.6	4.5
SMI-1607-680	68	0.13	2.3	3.5
SMI-1607-101	100	0.19	1.8	3.0
SMI-1607-151	150	0.25	1.5	2.6
SMI-1607-221	220	0.38	1.2	2.4
SMI-1607-331	330	0.56	1.0	1.9
SMI-1607-471	470	0.85	0.82	1.4
SMI-1607-681	680	1.10	0.72	1.2
SMI-1607-102	1000	1.80	0.56	1.0

**PHYSICAL DIMENSION :**



TOLERANCE :  $\pm 0.3$  PCB PATTERN

NOTE (1): TEST FREQUENCY: 100 kHz, 1 VRMS.

NOTE (2): THIS INDICATES THE VALUE OF DC CURRENT WHICH THE INDUCTANCE IS 10% LOWER THAN ITS INITIAL VALUE AND/OR  $\Delta T=40^{\circ}\text{C}$  UNDER THIS DC CURRENT BIAS.