

SMD POWER INDUCTORS

MODEL NO. : SMI-74 SERIES

FEATURES:

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

APPLICATION :

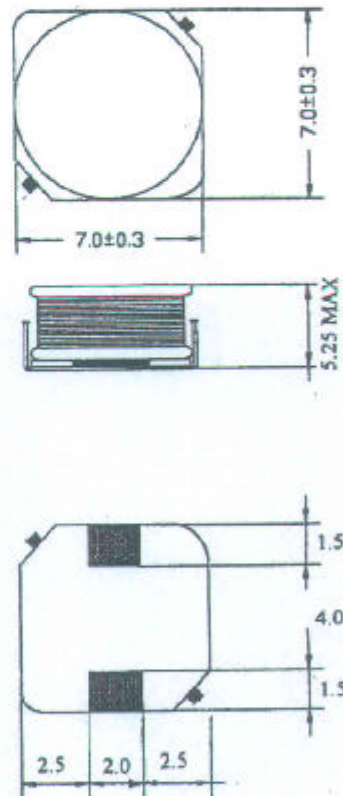
- * NOTEBOOK COMPUTERS.
- * DC-DC CONVERTORS.
- * DC-AC INVERTER.

ELECTRICAL SPECIFICATION:

(UNIT:mm)

PART NO.	INDUCTANCE (uH)	D.C.R. MAX (Ω)	RATED CURRENT (A)
SMI-74-100	10	0.07	2.30
SMI-74-120	12	0.08	2.00
SMI-74-150	15	0.09	1.80
SMI-74-180	18	0.10	1.60
SMI-74-220	22	0.11	1.50
SMI-74-270	27	0.12	1.30
SMI-74-330	33	0.13	1.20
SMI-74-390	39	0.16	1.10
SMI-74-470	47	0.18	1.00
SMI-74-560	56	0.24	0.94
SMI-74-680	68	0.28	0.85
SMI-74-820	82	0.37	0.78
SMI-74-101	100	0.43	0.72
SMI-74-121	120	0.47	0.66
SMI-74-151	150	0.64	0.58
SMI-74-181	180	0.71	0.51
SMI-74-221	220	0.96	0.49
SMI-74-271	270	1.11	0.42
SMI-74-331	330	1.26	0.40
SMI-74-391	390	1.77	0.36
SMI-74-471	470	1.96	0.34

PHYSICAL DIMENSION :



TOLERANCE : ± 0.3

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

NOTE (2): 10 ~ 470uH $\pm 10\%$.

NOTE (3): 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.