

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 :

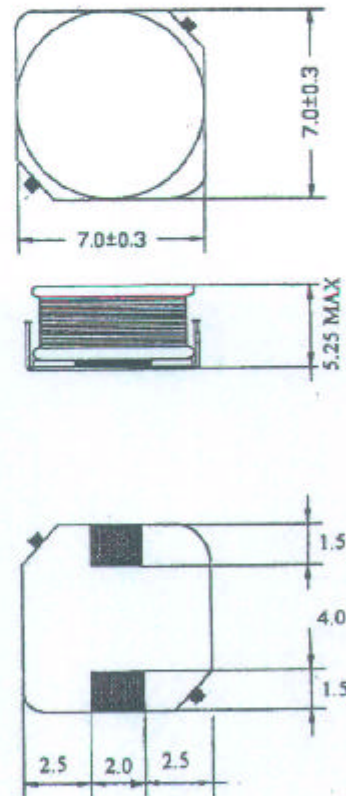
- * NOTEBOOK COMPUTERS.
- * DC-DC CONVERTORS.
- * DC-AC INVERTER.

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 ± 10%.

NOTE (3): THIS INDICATES THE VALUE OF DC CURRENT WHICH THE INDUCTANCE IS 10% LOWER THAN ITS INITIAL VALUE AND/OR ΔT=40°C UNDER THIS DC CURRENT BIAS.