

LPSM201610-R SERIES

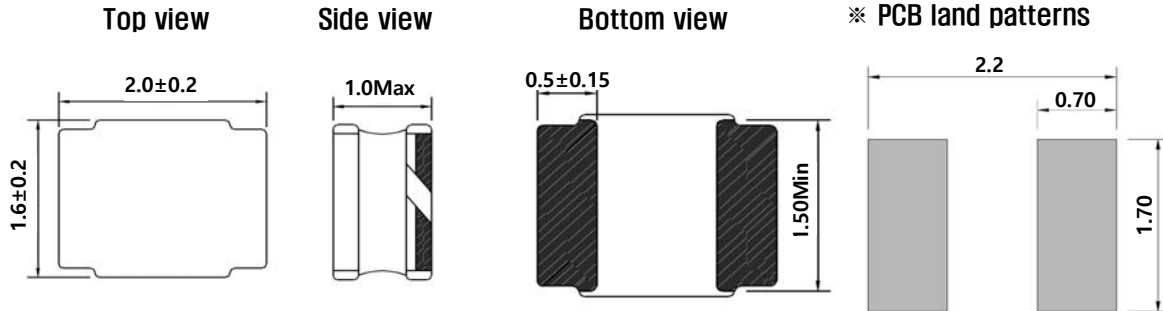


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LPSM201610-R SERIES

■ SHAPE & DIMENSIONS / RECOMMENDED SOLDER LAND PATTERN

Unit:mm



■ ELECTRICAL CHARACTERISTICS

Ordering code	Inductance [μH]	Tolerance (%)	Freq. (MHz)	Rdc(mΩ)	Isat(A)		Irms(A)
				±20%	Max.	Typ.	Typ.
LPSM201610T - 2R2M-R	2.20	± 20%	1	80.0	1.30	1.70	3.50
LPSM201610T - 3R3M-R	3.30	± 20%	1	123.0	1.20	1.50	2.80
LPSM201610T - 4R7M-R	4.70	± 20%	1	167.0	0.85	1.10	2.35

▼ Test Equipments

- Inductance measured : Agilent E4980A Precision LCR Meter or equivalent(1MHz, 0.1V)

- Rdc : HIOKI 3540 mΩ HiTESTER or equivalent

- Isat(The saturation current) : $\Delta L \leq 30\%$ reduction from initial L value

Agilent 4284A LCR Meter + Agilent 42841A Bias Current Source

+ 42842B Bias current test Fixture or equivalent

- Irms(The temperature rise): $\Delta T = 40^\circ\text{C}$ typical at rated DC current

Agilent 6692A DC Power Supply + Yokogawa DR130 Hybrid Recorder

or equivalent

※ Rated DC current(I_{dc}) : The value of Isat or Irms , whichever is smaller

▼ Operating Temperature Range

-40 ~ +125°C (Including self-generated heat)

Specifications given herein may be changed at any time without prior notice. Please confirm technical specifications before your order and/or use.