

LPSM201610-R3 SERIES

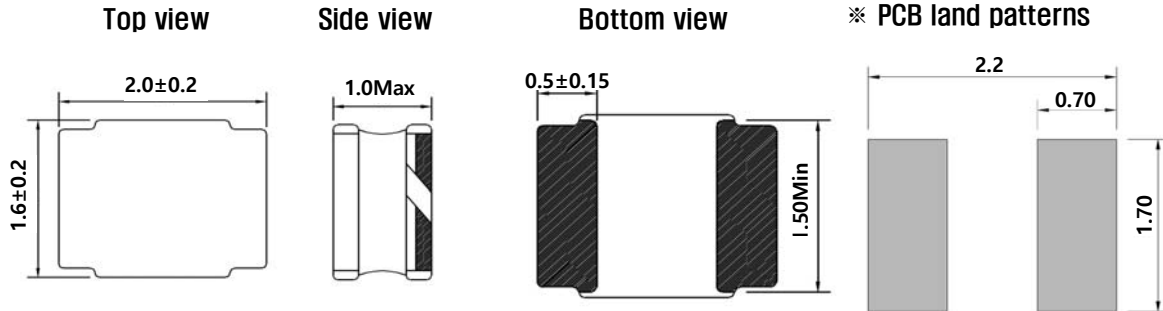


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LPSM201610-R3 SERIES

■ SHAPE & DIMENSIONS / RECOMMENDED SOLDER LAND PATTERN

Unit:mm



■ ELECTRICAL CHARACTERISTICS

Ordering code	Inductance [μ H]	Tolerance (%)	Freq. (MHz)	Rdc(m Ω)	Isat(A)		Irms(A)
				$\pm 20\%$	Max.	Typ.	Typ.
LPSM201610T - R47M-R3	0.47	$\pm 20\%$	1	26.5	3.9	5.0	6.0
LPSM201610T - R56M-R3	0.56	$\pm 20\%$	1	33.0	3.1	3.9	5.4
LPSM201610T - 1R0M-R3	1.00	$\pm 20\%$	1	50.0	2.4	2.8	4.2
LPSM201610T - 1R5M-R3	1.50	$\pm 20\%$	1	73.0	2.0	2.4	3.1

▼ Test Equipments

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

- Rdc : HIOKI 3540 m Ω 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 $^\circ\text{C}$ (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.