

LPSR201210-R SERIES

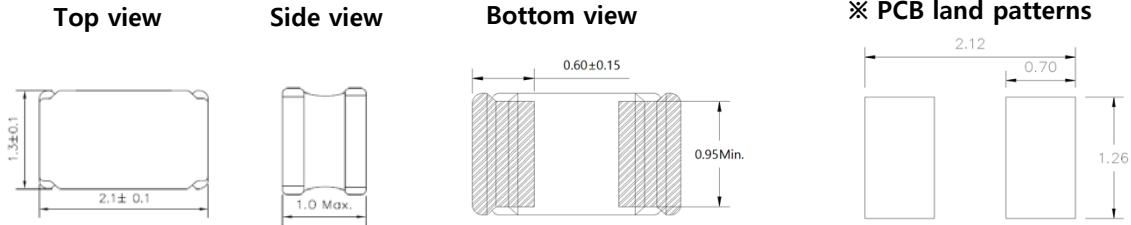


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LPSR201210-R SERIES

■ SHAPE & DIMENSIONS / RECOMMENDED SOLDER LAND PATTERN

Unit:mm



■ ELECTRICAL CHARACTERISTICS

Ordering code	Inductance [μH]	Tolerance (%)	Freq. (MHz)	Rdc ±20% (Ω)	Idc1 Max. (mA)	Idc2 Typ. (mA)
LPSR201210T - 1R0M-R	1.0	± 20	1	0.130	1500	1500
LPSR201210T - 1R5M-R	1.5	± 20		0.160	1200	1300
LPSR201210T - 2R2M-R	2.2	± 20		0.240	950	1100
LPSR201210T - 3R3M-R	3.3	± 20		0.400	900	800
LPSR201210T - 4R7M-R	4.7	± 20		0.550	630	700
LPSR201210T - 6R8M-R	6.8	± 20		0.790	540	640
LPSR201210T - 100M-R	10.0	± 20		1.110	450	530
LPSR201210T - 150M-R	15.0	± 20		1.400	370	420
LPSR201210T - 220M-R	22.0	± 20		2.050	360	400
LPSR201210T - 470M-R	47.0	± 20		3.850	250	300
LPSR201210T - 680M-R	68.0	± 20		6.570	180	200

▼ Test Equipments

- Inductance measured : Agilent E4980A Precision LCR Meter or equivalent(1MHz, 0.5V)
- Rdc : HIOKI 3540 mΩ HiTESTER or equivalent
- Idc1(The saturation current) : $\Delta L \leq 30\%$ reduction from initial L value
Agilent 4284A LCR Meter + Agilent 42841A Bias Current Source
- Idc2(The temperature rise): $\Delta T = 40^\circ\text{C}$ typical at rated DC current
Yokogawa DR130 Hybrid Recorder + Agilent 6692A DC Power Supply
- ※ Rated DC current(Idc) : The value of Idc1 or Idc2 , whichever is smaller

▼ Operating Temperature Range

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