

LPM6520 SERIES

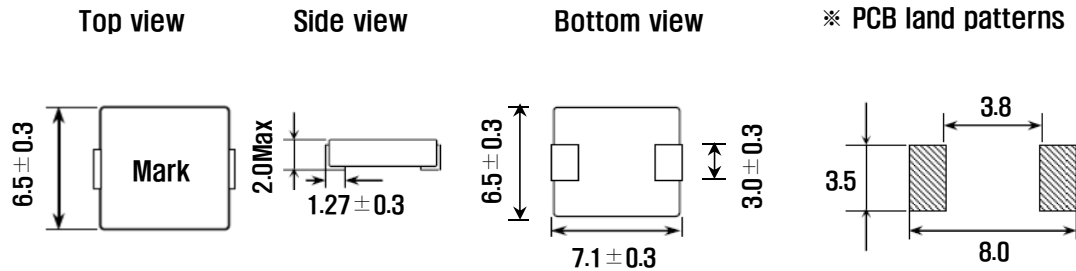


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LPM6520 SERIES

■ SHAPE & DIMENSIONS / RECOMMENDED SOLDER LAND PATTERN

Unit:mm



■ ELECTRICAL CHARACTERISTICS

Ordering code	Inductance [μ H]	Tolerance (%)	Freq. (kHz)	Rdc(m Ω)		Isat(A)		Irms(A)
				Max.	Typ.	Max.	Typ.	Typ.
LPM6520T - R47M	0.47	$\pm 20\%$	100	6.3	5.7	18.5	21.5	12.5
LPM6520T - 1R0M	1.00	$\pm 20\%$	100	12.0	11.0	13.2	15.0	9.5
LPM6520T - 2R2M	2.20	$\pm 20\%$	100	35.0	31.2	7.8	9.0	5.0
LPM6520T - 4R7M	4.70	$\pm 20\%$	100	63.0	58.0	6.2	8.8	4.8

▼ Test Equipments

- Inductance measured : Agilent E4980A Precision LCR Meter or equivalent(100kHz, 0.5V)
- Rdc : HIOKI 3540 m Ω HiTESTER or equivalent
- Isat(The saturation current) : $\Delta L \leq 20\%$ 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)