

SMD Inductors(Coils)

For Power Line(Wound, Magnetic Shielded)

VLM Series VLM10555-1

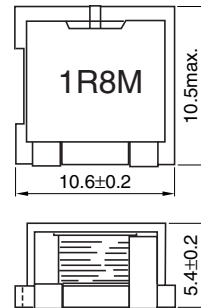
FEATURES

- Low loss and large current capability design.
- High magnetic shield construction should actualize high resolution for EMC protection.
- Available for automatic mounting in tape and reel package.

APPLICATIONS

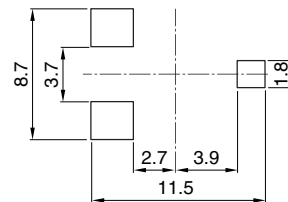
Note book type and mobile computers, amusement equipments, DVD players, VRMs, plasma displays, etc.

SHAPES AND DIMENSIONS



Dimensions in mm

RECOMMENDED PC BOARD PATTERN



Dimensions in mm

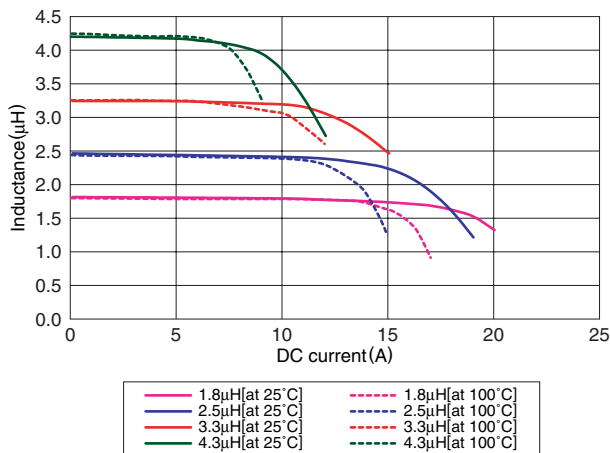
ELECTRICAL CHARACTERISTICS

Part No.	Inductance (μ H)	Inductance tolerance (%)	Test frequency (kHz)	DC resistance (m Ω)		Rated current(A)*		
						Based on inductance change max.(typ.)		Based on temperature rise typ.
				[$\pm 15\%$]	typ.	[at 25°C]	[at 100°C]	
VLM10555T-1R8M8R8-1	1.8	± 20	100	5.6	5.6	18(20)	14(16)	8.8
VLM10555T-2R5M8R0-1	2.5	± 20	100	6.7	6.7	15(17)	12(14)	8
VLM10555T-3R3M7R2-1	3.3	± 20	100	8.3	8.3	12(14)	10(12)	7.2
VLM10555T-4R3M7R2-1	4.3	± 20	100	8.3	8.3	9(11)	7(9)	7.2

* Rated current: Value obtained when current flows and the temperature has risen to 40°C or when DC current flows and the nominal value of inductance has fallen by 30%, whichever is smaller.

TYPICAL ELECTRICAL CHARACTERISTICS

INDUCTANCE CHANGE vs. DC SUPERPOSITION CHARACTERISTICS



TEMPERATURE RISE CHARACTERISTICS

