

SMD Inductors(Coils) For Power Line(Wound, Magnetic Shielded)

Conformity to RoHS Directive

VLM Series VLM10555-2

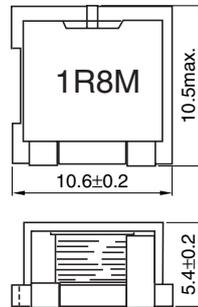
FEATURES

- 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

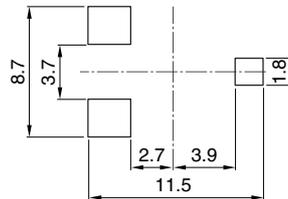
Note book type and mobile computers, amusement equipment, DVD players, VRMs, plasma displays, etc.

SHAPES AND DIMENSIONS



Dimensions in mm

RECOMMENDED PC BOARD PATTERN



Dimensions in mm

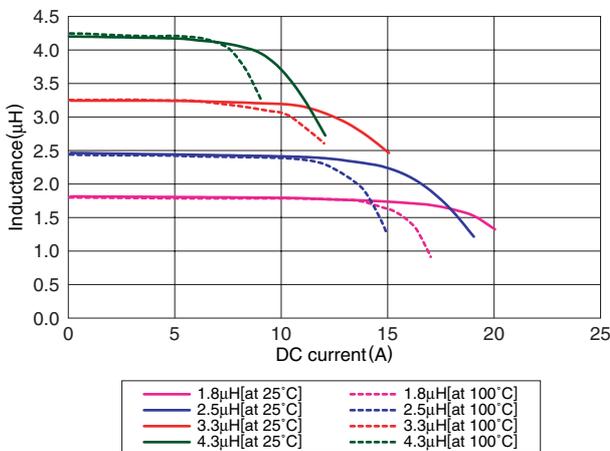
ELECTRICAL CHARACTERISTICS

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

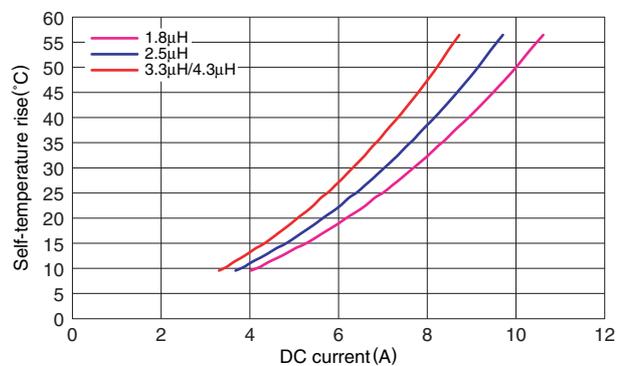
* Rated current: Value obtained when current flows and the temperature has risen to 40°C or when DC current flows and the nominal value of inductance has fallen by 30%, whichever is smaller.

TYPICAL ELECTRICAL CHARACTERISTICS

INDUCTANCE CHANGE vs. DC SUPERPOSITION CHARACTERISTICS



TEMPERATURE RISE CHARACTERISTICS



• Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

• All specifications are subject to change without notice.