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

VLM Series VLM10555

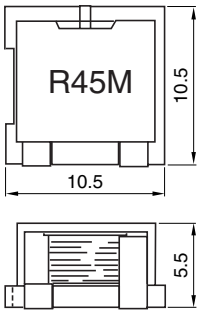
FEATURES

- 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 real package.

APPLICATIONS

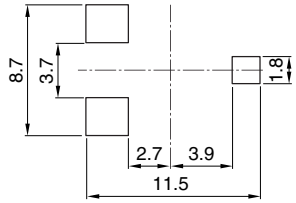
Note book type and mobile computers, amusement equipments, DVD players, VRMs, plasma displays, etc.

SHAPES AND DIMENSIONS



Dimensions in mm

RECOMMENDED PC BOARD PATTERN



Dimensions in mm

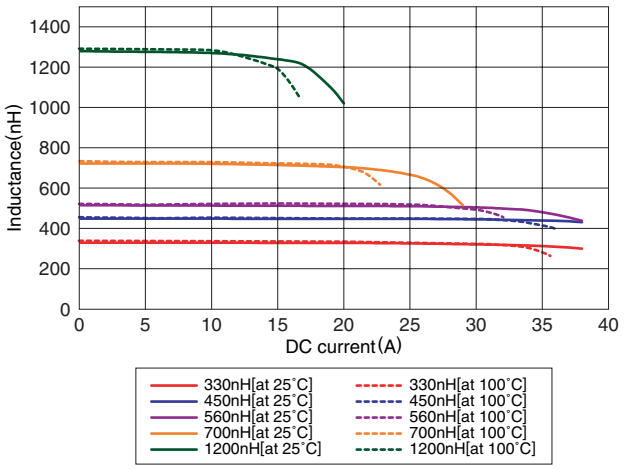
ELECTRICAL CHARACTERISTICS

Part No.	Inductance (nH)	Inductance tolerance (%)	Test frequency (kHz)	DC resistance (mΩ)		Rated current(A)*		
						Based on inductance change max.		Based on temperature rise typ.
				max.	typ.	[at 25°C]	[at 100°C]	
VLM10555T-R33M180	330	±20	100	1.2	0.95	34	30	18
VLM10555T-R45M110	450	±20	100	2.6	2.2	40	34	11
VLM10555T-R56M120	560	±20	100	2.5	2.1	34	26	12
VLM10555T-R70M120	700	±20	100	2.5	2.1	26	21	12
VLM10555T-1R2M100	1200	±20	100	3.2	2.7	18	15	10

* 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 25%, whichever is smaller.

TYPICAL ELECTRICAL CHARACTERISTICS

INDUCTANCE CHANGE vs. DC SUPERPOSITION CHARACTERISTICS



TEMPERATURE RISE CHARACTERISTICS