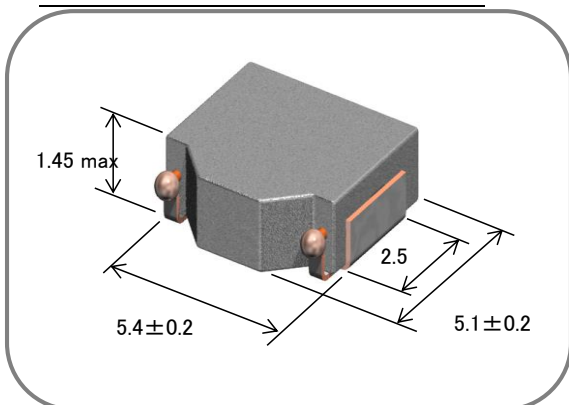


Component Image & Dimension



Features

Sampling Stage

- a) Small Footprint and Low Profile Design :
Footprint : 5.4 x 5.1 mm Typ.
Height : 1.45mm Max.
- b) High Power Handling Capability :
Small Copper Loss
Using Large Saturation Induction of Fe- based metals
- c) Flat inductance performance over temperature based on the high curie temperature of the iron powder core material.
- d) Automatic Mounting in Tape&Reel Package.

Applications

Note Book & Mobile Computer, VRM,
Cellular Phone, HDD etc.

Electrical Specification

TDK Identification	Inductance		Test Freq.	DC Resistance		Rated DC Current			
	at 0A	Tol.		Spec.	Typ.	Idc 1		Idc 2	
	(uH)	(%)	(kHz)	(m-Ohm)	(m-Ohm)	(A) max.	(A) typ.	(A) max.	(A) typ.
SPM5015T- 6R8M-LR01	6.80	+/-20%	100	134.6 max	117.0	2.6	3.4	2.7	2.8
SPM5015T- 100M-LR01	10.00	+/-20%	100	193.8 max	168.5	2.0	2.7	2.2	2.3

Note. Idc 1 : Based on the inductance change.(-30% Reduction from Nominal L Value)

Idc 2 : Based on the self temperature rise. (+40 deg typ.)

Operating Temperature Range: -40 °C ~ +125 °C (including self temperature rise)

Caution: Please contact our sales person when you consider organic solvent or aqueous cleaning.

Recommended pad layout

