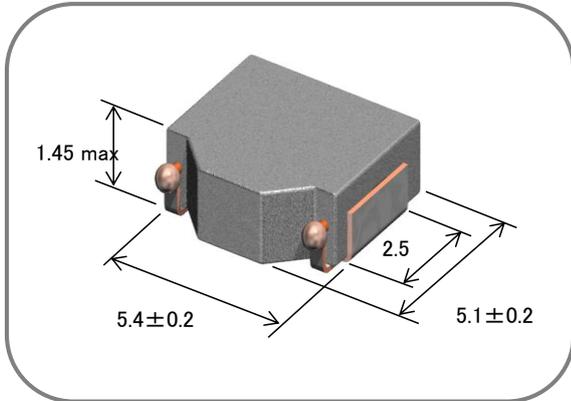


**Component Image & Dimension**



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

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**

