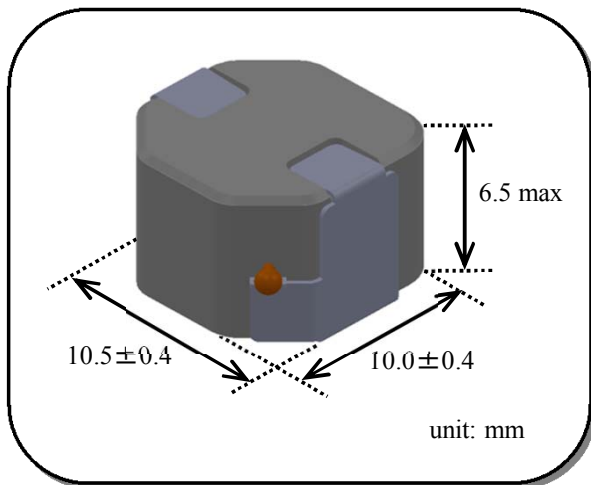


Tentative

### Shape & dimensions :



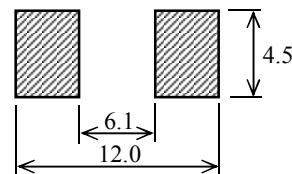
### Features :

- a) Miniature Size :
  - Mounting area: 10.5 × 10.0 mm
  - Low Profile : 6.5 mm max. height
- b) Tough design
  - Generic use for Automotive applications
  - Heat, vibration and mechanical shock resistant
  - Operating temperature: -55°C ~ +150°C (including self temperature rise)
  - Storage temperature : -55°C ~ +150°C
- c) High magnetic shield construction features low EMI
- d) Tape & reel packing for SMT pick and place operation
- e) RoHS compliant
- f) Halogen free

### Applications :

for Automotive electronic devices and high temperature operation  
 Automotive applications (e.g. ECM, LED, SRS Air Bag, transmission control, power steering control, brake control, etc)

### Recommended land pattern :



unit: mm

### Electrical Specification (Sim.)

TDK Identification	Inductance		Test Freq. (kHz)	DC Resistance		Rated Current		
	Spec. (uH)	Tol.		Spec. (mΩ)	Tol.	Isat (ΔL=-20%) (A)typ.	Isat (ΔL=-30%) (A)typ.	Itemp (ΔT=40deg.C) (A)typ.
SPM10065VT- 1R0M-D	1.0	+/-20%	100	2.6	+/-20%	23.2	31.0	21.4
SPM10065VT- 1R5M-D	1.5	+/-20%	100	3.5	+/-20%	22.2	29.7	18.4
SPM10065VT- 2R2M-D	2.2	+/-20%	100	5.0	+/-20%	21.1	28.4	15.5
SPM10065VT- 3R3M-D	3.3	+/-20%	100	7.5	+/-20%	20.2	27.2	12.6
SPM10065VT- 4R7M-D	4.7	+/-20%	100	10.4	+/-20%	17.0	22.9	10.7
SPM10065VT- 6R8M-D	6.8	+/-20%	100	16.1	+/-20%	16.1	21.9	8.6
SPM10065VT- 100M-D	10	+/-20%	100	24.2	+/-20%	13.1	17.8	7.0
SPM10065VT- 150M-D	15	+/-20%	100	37.8	+/-20%	11.9	16.2	5.6
SPM10065VT- 220M-D	22	+/-20%	100	43.2	+/-20%	5.8	7.8	5.3
SPM10065VT- 330M-D	33	+/-20%	100	63.9	+/-20%	5.6	7.5	4.3
SPM10065VT- 470M-D	47	+/-20%	100	87.6	+/-20%	4.7	6.4	3.7
SPM10065VT- 680M-D	68	+/-20%	100	130	+/-20%	4.5	6.1	3.0
SPM10065VT- 101M-D	100	+/-20%	100	193	+/-20%	2.5	3.3	2.5

This product is under development. This document is subject to change without notice.