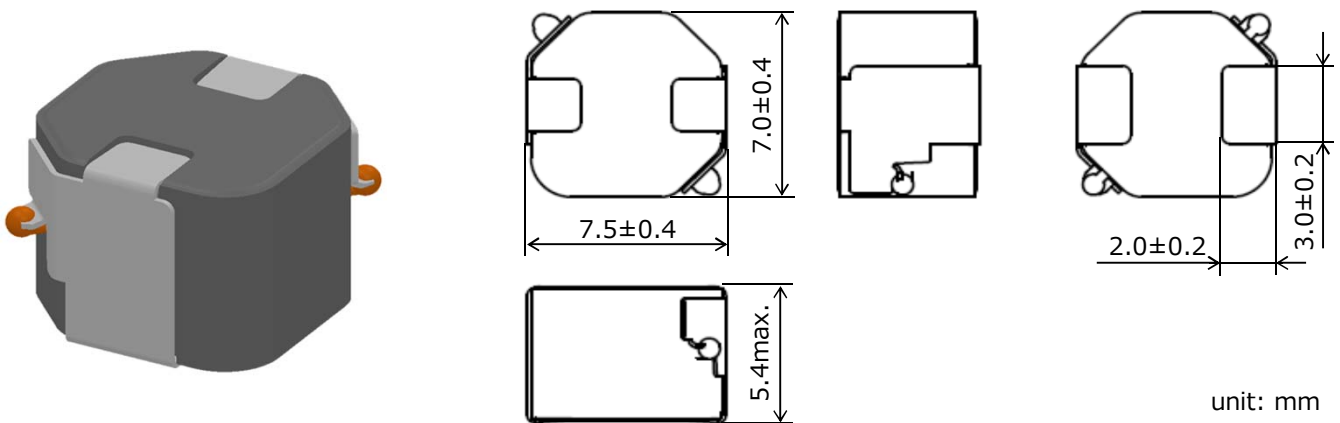


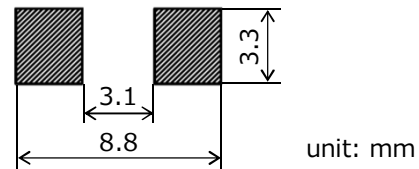
Shape & dimensions :



Features :

- a) High saturation current and low DC resistance
- b) Tough design
 - Generic use for Automotive applications
 - Heat, vibration and mechanical shock resistant
 - Operating temperature: -55°C ~ +155°C (including self temperature rise)
- c) High magnetic shield construction features low EMI
- d) Tape & reel packing for SMT pick and place operation
- e) RoHS compliant
- f) Confirm to AEC-Q200

Recommended land pattern :



Electrical Specification (Sim.)

TDK Identification	Inductance@100kHz		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.
SPM7054VT- 1R0M-D	1.0	+/-20%	4.6	+/-10%	19.3	25.7	14.9
SPM7054VT- 1R5M-D	1.5	+/-20%	6.0	+/-10%	15.9	21.4	13.0
SPM7054VT- 2R2M-D	2.2	+/-20%	7.4	+/-10%	14.1	19.0	12.0
SPM7054VT- 3R3M-D	3.3	+/-20%	11.2	+/-10%	13.7	18.6	9.5
SPM7054VT- 4R7M-D	4.7	+/-20%	16.6	+/-10%	11.2	15.2	7.8
SPM7054VT- 6R8M-D	6.8	+/-20%	23.9	+/-10%	11.0	14.9	6.8
SPM7054VT- 100M-D	10	+/-20%	36.9	+/-10%	8.7	11.8	5.5
SPM7054VT- 150M-D	15	+/-20%	54.8	+/-10%	5.0	6.7	4.5
SPM7054VT- 220M-D	22	+/-20%	71.9	+/-10%	4.2	5.7	3.9
SPM7054VT- 330M-D	33	+/-20%	97.7	+/-10%	3.6	4.9	3.4
SPM7054VT- 470M-D	47	+/-20%	152	+/-10%	3.6	4.9	2.7
SPM7054VT- 680M-D	68	+/-20%	205	+/-10%	3.0	4.1	2.3
SPM7054VT- 101M-D	100	+/-20%	348	+/-10%	2.4	3.3	1.8

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