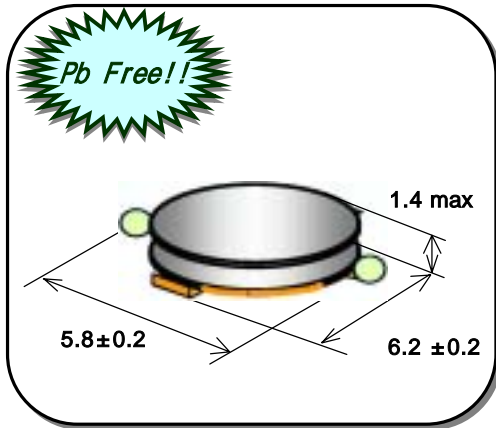


Under Development!!

VLP6214-K TYPE

SMD Power Inductor

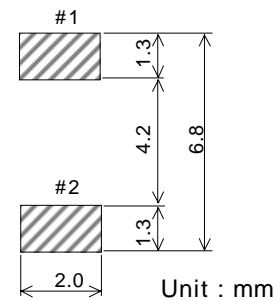
Component Image & Dimension



Features :

- a) Miniature Size :
Mount Area : 5.8mm x 6.2mm
Low Profile : 1.4mm Max. Height
- b) Generic use for portable DC/DC Converter Line.
- c) Low Profile as a 1.4mm Height.
- d) High Rated DC Current.
- e) This Product is not used any of the Pb Materials.
- f) Non ferrite shielded component.
- g) Automatic Mounting in Tape & Reel Package.
- h) **Reinforce a product with epoxy resin.**

Recommended Land Pattern



Applications :

DC-DC Converter for TFT LCD Display, LCD TV, PDA,
DC-DC Converter for mobilephone etc.

Electrical Specification (Tentative)

TDK Identification	Inductance (μ H)	Tol. (%)	Test Freq. (kHz)	DC Resistance		Rated DC Current	
				Spec. (Ohm)	Tol.	*Idc 1(A) Max.	*Idc 2(A) Typ.
VLP6214T- 1R5M2R3-K	1.5	+/-20%	100	0.06	+/-20%	3.30	2.33
VLP6214T- 2R2M2R1-K	2.2	+/-20%	100	0.08	+/-20%	2.70	2.12
VLP6214T- 3R3M1R7-K	3.3	+/-20%	100	0.10	+/-20%	2.10	1.76
VLP6214T- 4R7M1R6-K	4.7	+/-20%	100	0.12	+/-20%	1.90	1.61
VLP6214T- 6R8M1R4-K	6.8	+/-20%	100	0.17	+/-20%	1.60	1.42
VLP6214T- 100M1R2-K	10.0	+/-20%	100	0.23	+/-20%	1.30	1.20
VLP6214T- 150M1R0-K	22.0	+/-20%	100	0.32	+/-20%	1.14	1.04
VLP6214T- 220MR78-K	22.0	+/-20%	100	0.47	+/-20%	0.85	0.78
VLP6214T- 330MR67-K	33.0	+/-20%	100	0.73	+/-20%	0.74	0.67
VLP6214T- 470MR57-K	47.0	+/-20%	100	1.00	+/-20%	0.61	0.57
VLP6214T- 680MR45-K	68.0	+/-20%	100	1.60	+/-20%	0.51	0.45
VLP6214T- 101MR36-K	100.0	+/-20%	100	2.38	+/-20%	0.41	0.36

* Idc1 : Depend on inductance change (-10% reduction from initial value)

* Idc2 : Depend on self temperature rise (40degC typical)