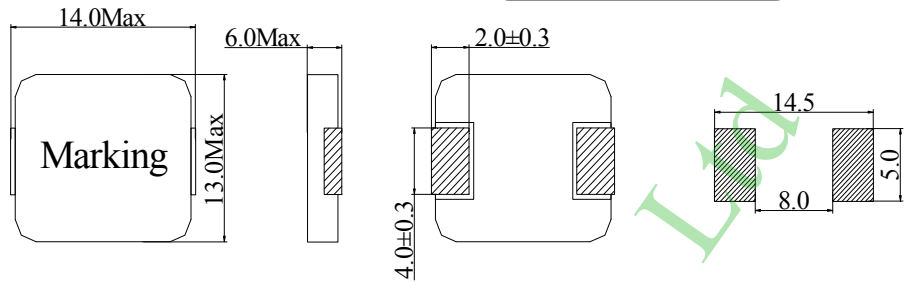


Inductance Range: 8.2μH~150μH
Temperature Range: -40℃~+125℃

PSM-1360 Series

Dimensions (mm)



Features:

- ★Quantity / Reel: 500pcs
- ★High performance (Isat) realized by metal dust core.
- ★Low profile: Thickness max. 6.0mm
- ★Low loss realized with low DCR
Capable of corresponding high frequency (1MHz)
- ★Design to customer requirement

RoHS Compliant(SGS Certified Result)

Pb	Cd	Cr+6	PBBs	PBDEs
<1000ppm	ND	ND	ND	ND



Application:

- ★DC/DC converter for CPU in Notebook PC
- ★Thin type on-board power supply module for exchangerVRM for server

Configuration:

PSM - 1360 - 1R0 - M

(1) (2) (3) (4)

(1)Product Code(P&Z for SMD type)

(2)Series Code(Typical dimension)

(3)Inductance: 1R0 = 1.0 μH

(4) Inductance tolerance: M= ±20%, L= ±15%, K= ±10%

Electrical Characteristics:

P&Z Part Number	L0 @ (0A) Inductance (μH) ±20%	DCR(mΩ)		Heat Rating Current DC Amps. Idc (A)	Saturation Current DC Amps. Isat (A)
		Typical	Maximum	Typical	Typical
PSM1360-8R2M	8.2	13.6	16	11	13.5
PSM1360-100M	10	18	20.7	10	12.5
PSM1360-120M	12	20	23	7	10
PSM1360-150M	15	25	29	6	9
PSM1360-180M	18	30	35	5	8
PSM1360-220M	22	34	39.5	5	7.5
PSM1360-270M	27	49	56	4	6.5
PSM1360-330M	33	65	75	4	6
PSM1360-470M	47	80	90	3.5	5.5
PSM1360-680M	68	120	140	3	4.5
PSM1360-101M	100	180	200	2.5	3.5
PSM1360-121M	120	210	235	2.3	3.2
PSM1360-151M	150	300	350	2	2.7

★If you require another part number please contact with us.

- All test data is referenced to 25℃ ambient. Operating. Temperature Range -55℃to + 125℃. Test Condition:100KHz, 1.0Vrms.
- Idc:DC current (A) that will cause an approximate Δ℃T of 40℃.
- Isat:DC current (A) that will cause Lo to drop approximately 30%.
- The part temperature (ambient + temp rise) should not exceed 125℃ under worse case operating conditions. Circuit design , component placement, PWB trace size and thickness, airflow and other cooling provision all affect the part temperature. Part temperature should be verified in the end application.
- The rated current as listed is either the saturation current or the heating current depending on which value is lower.