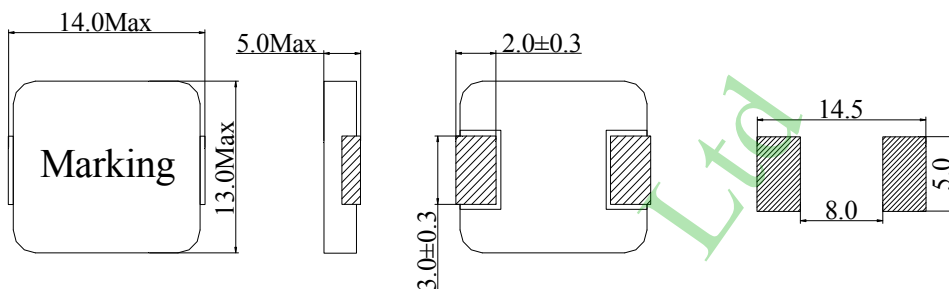


Inductance Range: 0.36μH~6.8uH
Temperature Range: -40℃~+125℃

Dimensions (mm)



Features:

- ★Quantity / Reel: 500pcs
- ★High performance (Isat) realized by metal dust core.
- ★Low profile: Thickness max. 5.0mm
- ★Low loss realized with low DCR
- Capable of corresponding high frequency (1MHz)
- ★Design to customer requirement

PSM-1350B Series

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 -1350B - 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
PSM1350B-R36M	0.36	0.77	1.1	41	75
PSM1350B-R47M	0.47	1.1	1.3	38	65
PSM1350B-R50M	0.5	1.2	1.5	36	55
PSM1350B-R56M	0.56	1.2	1.5	36	55
PSM1350B-R62M	0.62	1.5	1.7	34	54
PSM1350B-R68M	0.68	1.5	1.7	34	54
PSM1350B-R82M	0.82	1.8	2.1	31	53
PSM1350B-1R0M	1.0	2.1	2.5	29	50
PSM1350B-1R5M	1.5	3.4	4.1	23	48
PSM1350B-2R2M	2.2	4.6	5.5	20	32
PSM1350B-3R3M	3.3	7.7	9.2	15	32
PSM1350B-4R7M	4.7	12.8	15	12	27
PSM1350B-6R8M	6.8	15.4	18.5	11	21

★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.