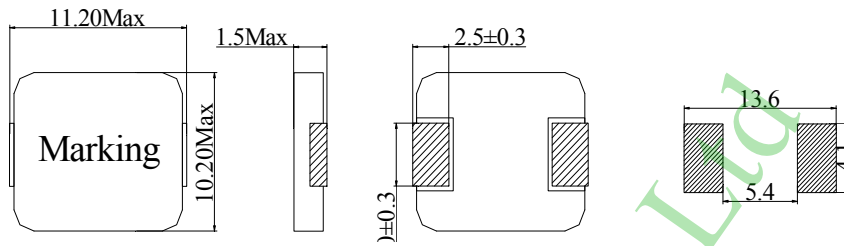


Inductance Range: 0.68μH~4.7μH
Temperature Range: -40°C~+125°C

PSM-1015 Series

Dimensions (mm)



Features:

- ★Quantity / Reel: 1000pcs
- ★High performance (Isat) realized by metal dust core.
- ★Low profile: Thickness max. 1.5mm
- ★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- 1015 - 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
PSM1015-R68M	0.68	15.0	16.0	7.5	16.0
PSM1015-R82M	0.82	16.0	18.0	6.0	14.0
PSM1015-1R0M	1.0	18.0	21.0	5.5	12.0
PSM1015-3R3M	3.3	62.0	70.0	4.0	6.5
PSM1015-4R7M	4.7	83.0	95.0	3.0	6.0

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

- All test data is referenced to 25°C ambient. Operating. Temperature Range -55°C to + 125°C. Test Condition:100KHz, 1.0Vrms.
- Idc:DC current (A) that will cause an approximate Δ°C of 40°C.
- Isat:DC current (A) that will cause Lo to drop approximately 30%.
- The part temperature (ambient + temp rise) should not exceed 125°C 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.