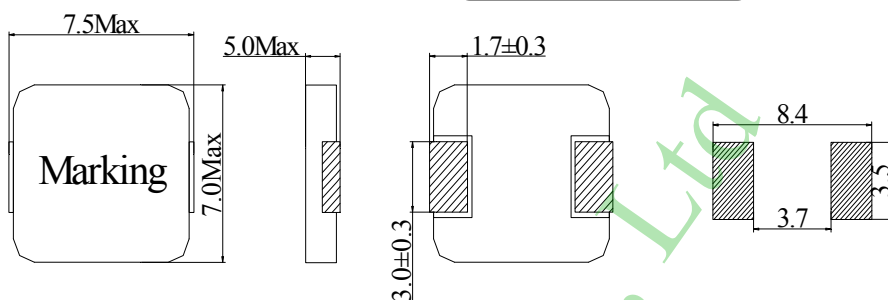


Inductance Range: 0.36μH~47μH
Temperature Range: -40℃~+125℃

Dimensions (mm)



Features:

- ★Quantity / Reel:1000pcs
- ★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

Application:

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

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
PSM0750-R36M	0.36	3.2	3.5	21	25
PSM0750-R56M	0.56	3.4	3.6	20	18
PSM0750-R68M	0.68	3.9	4.2	18	17
PSM0750-R82M	0.82	4.6	4.9	16.5	16
PSM0750-1R0M	1.00	6.5	8.5	10	16
PSM0750-1R5M	1.50	8.5	12	8	14
PSM0750-2R2M	2.20	11	14	7	12
PSM0750-3R3M	3.30	18	22	6.5	11
PSM0750-4R7M	4.70	22	30	6	10
PSM0750-6R8M	6.80	33	45	4.5	9
PSM0750-220M	22.00	108	140	2.2	4
PSM0750-330M	33.00	160	210	2	4
PSM0750-470M	47.00	192	247	2	3

★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.

PSM-0750 Series

RoHS Compliant(SGS Certified Result)

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

Configuration:

P&Z - 0750 - 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%