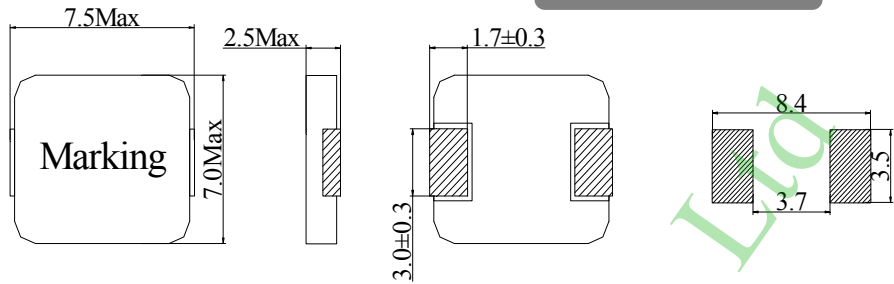


Inductance Range: 0.1 μ H~15 μ H
Temperature Range: -40 $^{\circ}$ C~+125 $^{\circ}$ C

PSM-0624 Series

Dimensions (mm)



PWB trace size and

- ★Quantity / Reel: 1500pcs
- ★High performance (Isat) realized by metal dust core.
- ★Low profile: Thickness max. 2.5mm
- ★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 - 0624 - 1R0 - M

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

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

(2)Series Code(Typical dimension)

(3)Inductance: 1R0 = 1.0 μ H

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

Electrical Characteristics:

P&Z Part Number	L0 @ (0A) Inductance (μ H) \pm 20%	DCR(m Ω)		Heat Rating Current DC Amps. Idc (A)	Saturation Current DC Amps. Isat (A)
		Typical	Maximum	Typical	Typical
PSM0624-R10M	0.1	1.5	1.7	30.0	70.0
PSM0624-R20M	0.2	2.2	2.8	25.0	50.0
PSM0624-R22M	0.22	2.6	3.2	21.0	34.0
PSM0624-R33M	0.33	3.5	4.1	18.0	24.5
PSM0624-R47M	0.47	4.5	5.1	15.0	22.0
PSM0624-R56M	0.56	5.9	6.5	13.0	17.0
PSM0624-R68M	0.68	6.2	7.2	12.0	16.0
PSM0624-1R0M	1.0	11.2	13.5	9.0	16.0
PSM0624-1R5M	1.5	17.0	20.0	9.0	15.0
PSM0624-2R2M	2.2	23.0	28.0	7.0	14.0
PSM0624-3R3M	3.3	31.0	39.0	5.5	13.0
PSM0624-4R7M	4.7	41.0	50.0	5.0	10.0
PSM0624-5R6M	5.6	51.0	60.0	5.0	6.5
PSM0624-6R8M	6.8	57.0	70.0	4.0	6.0
PSM0624-100M	10.0	92.0	101.0	3.1	4.0
PSM0624-150M	15.0	145.0	160.0	2.5	3.3

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

1.All test data is referenced to 25 $^{\circ}$ C ambient. Operating. Temperature Range -55 $^{\circ}$ C to + 125 $^{\circ}$ C. Test Condition:100KHz, 1.0Vrms.

2.Idc:DC current (A) that will cause an approximate Δ $^{\circ}$ C of 40 $^{\circ}$ C.

3.Isat:DC current (A) that will cause Lo to drop approximately 30%.

4.The part temperature (ambient + temp rise) should not exceed 125 $^{\circ}$ C under worse case operating conditions. Circuit design , component PWB trace size and thickness, airflow and other cooling provision all affect the part temperature. Part temperature should be verified in the end application.