PMH 12xx Series Metal Material Power Inductor

Features

- Metal material for large current and low DCR of super performance.
- Ultra low buzz noise due to molding construction type.
- Closed magnetic circuit design reduces leakage flux.

Applications

- Notebooks,tablets
- Telecom Base Station,Industrial Control Board,Motor Control and etc.
- Server,DC-DC power for FPGA and etc.

Yint P/N Information

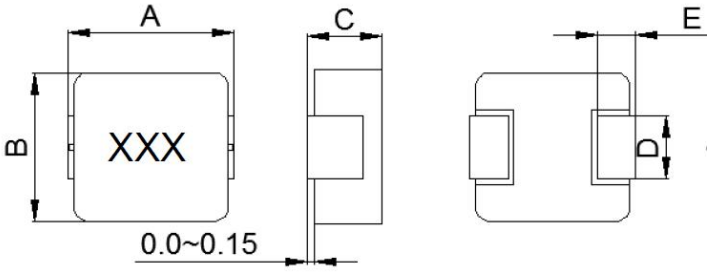
①	②	③	④	⑤	⑥	⑦
PM	H	1240	-R47	M	0	T

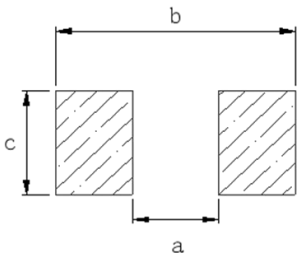
① Product series
② Material
③ Size
④ Inductance
⑤ Tolerance
⑥ Special code
⑦ Taping information

④	Nominal Inductance[μH]
Example	Nominal Value[μH]
R47	0.47 μH
1R0	1.0 μH
100	10 μH
⑤	Inductance Tolerance
M	±20%

Shape & Dimension information

<Recommend Land Pattern>





Unit：mm

Series	Dimensions					Land Pattern (Typ.)		
	A	B	C	D	E	a	b	c
PMH1240	13.45±0.35	12.8±0.5	4.0 max.	3.85±0.5	2.0±0.5	8	14.5	5.5
PMH1250	13.45±0.35	12.6±0.3	4.8±0.2	3.85±0.5	2.0±0.5	8	14.5	5.5
PMH1260	13.45±0.35	12.6±0.3	5.8±0.2	5.0±0.3	2.0±0.5	8	14.5	5.5
PMH1265	13.45±0.35	12.6±0.3	6.5 max.	5.0±0.3	2.0±0.5	8	14.5	5.5
PMH1240-□□□□1□				5.0±0.3	2.0±0.5	8	14.5	5.5
PMH1250-□□□□1□				5.0±0.3	2.0±0.5	8	14.5	5.5
PMH1260-□□□□1□				5.0±0.3	2.0±0.5	8	14.5	5.5
PMH1265-□□□□1□				5.0±0.3	2.0±0.5	8	14.5	5.5

PMH 12XX Series Metal Material Power Inductor

Specification information

Yint P/N	Inductance	DC Resistance	Saturation Current	Heating Rating Currentt
	L0 (μH)	DCR (mΩ)	Isat (A)	Irms (A)
	100 kHz, 1V	Max.	Typ.	Typ.
PMH1240-R22M0T	0.22	0.9	50	42
PMH1240-R47M0T	0.47	2	48	33
PMH1240-R68M1T	0.68	3.5	47	28
PMH1240-R82M1T	0.82	4.5	40	28
PMH1240-1R0M1T	1	7.5	35	24
PMH1240-1R5M1T	1.5	9.5	30.5	20
PMH1240-2R2M1T	2.2	11.5	26	18
PMH1240-3R3M1T	3.3	13	21	15
PMH1240-4R7M1T	4.7	14.5	18	13
PMH1240-6R8M1T	6.8	20	14	9
PMH1240-100M1T	10	25	10	8
PMH1240-150M1T	15	39	7.5	6.5
PMH1240-220M1T	22	51	6	4.5
-	-	-	-	-
PMH1250-R22M0T	0.22	0.7	75	50
PMH1250-R36M0T	0.36	0.85	50	42
PMH1250-R50M0T	0.5	1.15	48	38
PMH1250-R68M0T	0.68	1.55	46	33
PMH1250-R82M0T	0.82	1.67	39	30
PMH1250-1R0M0T	1	2.2	35	26
PMH1250-1R5M0T	1.5	3.2	33	23
PMH1250-2R2M0T	2.2	5	24	15
PMH1250-3R3M1T	3.3	7	22	14
PMH1250-4R7M1T	4.7	9	20	13
PMH1250-6R8M1T	6.8	18	16	12
PMH1250-8R2M1T	8.2	20	13	9.5
PMH1250-100M1T	10	22	12	9
PMH1250-150M1T	15	30	10	8
PMH1250-220M1T	22	58	6.5	4.5
PMH1250-330M1T	33	84	6	3.5
PMH1250-470M1T	47	130	5	3
PMH1250-680M1T	68	145	4.5	2.8

PMH 12XX Series Metal Material Power Inductor

Specification information

Yint P/N	Inductance	DC Resistance	Saturation Current	Heating Rating Current
	L0 (μH)	DCR (mΩ)	Isat (A)	Irms (A)
	100 kHz, 1V	Max.	Typ.	Typ.
PMH1260-4R7M1T	4.7	9	24	15
PMH1260-5R6M1T	5.6	11	22.5	13
PMH1260-6R8M1T	6.8	13.5	19	12
PMH1260-8R2M1T	8.2	16	13.5	11
PMH1260-100M1T	10	20.7	12.5	10
PMH1260-120M1T	12	23	10	9
PMH1260-150M1T	15	29	9	8.5
PMH1260-180M1T	18	35	8	7.5
PMH1260-220M1T	22	39.5	7.5	7
PMH1260-270M1T	27	56	6.5	6
PMH1260-330M1T	33	75	6	5.5
PMH1260-470M1T	47	90	5.5	5
PMH1260-680M1T	68	140	4.5	4
PMH1260-101M1T	100	200	3.5	3
PMH1260-121M1T	120	235	3.2	2
PMH1260-151M1T	150	350	2.7	1.5
-	-	-	-	-
PMH1265-4R7M1T	4.7	8.5	24	16
PMH1265-5R6M1T	5.6	10.5	22.5	14
PMH1265-6R8M1T	6.8	12	19	13
PMH1265-8R2M1T	8.2	14	16	12
PMH1265-100M1T	10	16.5	15	11
PMH1265-150M1T	15	26	11	9.5
PMH1265-220M1T	22	36	9	8
PMH1265-330M1T	33	65	8	6.5
PMH1265-470M1T	47	70	6.8	5.5
PMH1265-680M1T	68	120	5.2	4.8
PMH1265-820M1T	82	135	4.5	4
PMH1265-101M1T	100	170	4	3.5

PMH Series Metal Material Power Inductor

Testing Conditions:

1.All test data is base on 25 °C ambient .
2.Operating temperature range - 55 °C to + 125 °C
3.Irms (A):DC current will cause an approximate ΔT of 40 °C base on 25 °C ambient temperature
4.Isat(A): DC current will cause L0 to drop approximately 30 %
5.The part temperature (ambient + temp rise) should not exceed 125 °C under worst cases.

Reel & QTY information

Series	MPQ(Pcs)	Reel（W / P）
PMH1240	500	13″ （24 / 16)
PMH1250	500	13″ （24 / 16)
PMH1260	500	13″ （24 / 16)
PMH1265	500	13″ （24 / 16)