

PMH 06XX 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.

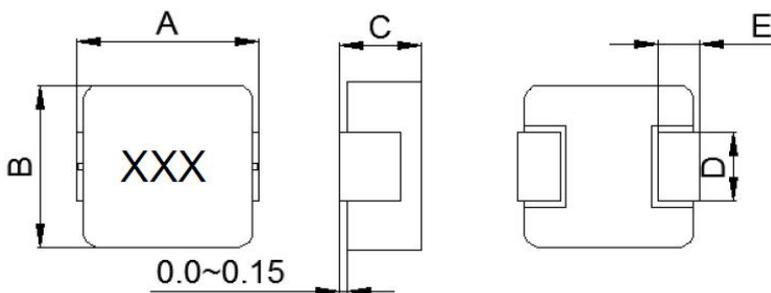
Yint P/N Information

① PM ② H ③ 0610 ④ -4R7 ⑤ M ⑥ 0 ⑦ T

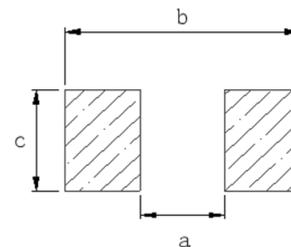
- ① Product series
- ② Material
- ③ Size
- ④ Inductance
- ⑤ Tolerance
- ⑥ Special code
- ⑦ Taping information

④ Nominal Inductance[μ H]	
Example	Nominal Value[μ H]
R15	0.15 μ H
4R7	4.7 μ H
100	10 μ H
⑤ Inductance Tolerance	
M	$\pm 20\%$

Shape & Dimension information



<Recommend Land Pattern>



Unit: mm

Series	Dimensions					Land Pattern (Typ.)		
	A	B	C	D	E	a	b	c
PMH0610	6.1 \pm 0.3	6.1 \pm 0.3	0.8 \pm 0.2	4.0 \pm 0.3	1.75 \pm 0.3	2.8	7.5	4.5
PMH0612	6.1 \pm 0.3	6.1 \pm 0.3	1.0 \pm 0.2	4.0 \pm 0.3	1.75 \pm 0.3	2.8	7.5	4.5
PMH0615	7.0 \pm 0.3	6.6 \pm 0.2	1.3 \pm 0.2	3.0 \pm 0.3	1.6 \pm 0.3	3.7	8.4	3.5
PMH0618	7.0 \pm 0.3	6.6 \pm 0.2	1.6 \pm 0.2	3.0 \pm 0.3	1.6 \pm 0.3	3.7	8.4	3.5
PMH0624	7.0 \pm 0.3	6.6 \pm 0.2	2.2 \pm 0.2	3.0 \pm 0.3	1.6 \pm 0.3	3.7	8.4	3.5
PMH0630	7.0 \pm 0.3	6.6 \pm 0.2	2.8 \pm 0.2	3.0 \pm 0.3	1.6 \pm 0.3	3.7	8.4	3.5
PMH0640	7.0 \pm 0.3	6.6 \pm 0.2	3.8 \pm 0.2	3.0 \pm 0.3	1.6 \pm 0.3	3.7	8.4	3.5
PMH0650	7.0 \pm 0.3	6.6 \pm 0.2	4.8 \pm 0.2	3.0 \pm 0.3	1.6 \pm 0.3	3.7	8.4	3.5

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Specification information

Yint P/N	Inductance	DC Resistance	Saturation Current	Heating Rating Current
	L0 (μH)	DCR (mΩ)	Isat (A)	Irms (A)
	±20 %, 100 kHz, 1V	Max.	Typ.	Typ.
PMH0610-4R7M0T	4.7	172	2.8	2.2
PMH0610-6R8M0T	6.8	197	2.5	2
PMH0610-100M0T	10	310	2.1	1.6
-	-	-	-	-
PMH0612-4R7M0T	4.7	103	3.6	3.2
-	-	-	-	-
PMH0615-R47M0T	0.47	8.5	16	10
PMH0615-R56M0T	0.56	11	14	9
PMH0615-R68M0T	0.68	12	12	8.5
PMH0615-R82M0T	0.82	17	10	8
PMH0615-1R0M0T	1	21	9	6
PMH0615-2R2M0T	2.2	54	7	3.8
PMH0615-3R3M0T	3.3	63	5.5	3.5
PMH0615-4R7M0T	4.7	85	5	3.2
PMH0615-6R8M0T	6.8	135	4	2.5
PMH0615-100M0T	10	175	3	2
-	-	-	-	-
PMH0618-R10M0T	0.1	2.3	38	25
PMH0618-R22M0T	0.22	3.5	24	22
PMH0618-R47M0T	0.47	8.4	18	11.5
PMH0618-R68M0T	0.68	12	16.5	9.5
PMH0618-1R0M0T	1	16	12	8.5
PMH0618-1R5M0T	1.5	26	9.2	8
PMH0618-2R2M0T	2.2	35	8	7
PMH0618-3R3M0T	3.3	50	6	4.5
PMH0618-4R7M0T	4.7	62	5	4
PMH0618-6R8M0T	6.8	110	4.5	3
PMH0618-100M0T	10	155	4	2.3
PMH0618-220M0T	22	350	2.3	1.8
-	-	-	-	-
PMH0624-R22M0T	0.22	3	34	21
PMH0624-R33M0T	0.33	4.1	24.5	18
PMH0624-R47M0T	0.47	5.1	22	15
PMH0624-R56M0T	0.56	6.5	17	13

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	L0 (μH)	DCR (mΩ)	Isat (A)	Irms (A)
	±20 %, 100 kHz, 1V	Max.	Typ.	Typ.
PMH0624-R68M0T	0.68	7	16	12
PMH0624-1R0M0T	1	13.5	15	9
PMH0624-1R5M0T	1.5	20	13.5	8.2
PMH0624-2R2M0T	2.2	28	10	7
PMH0624-3R3M0T	3.3	39	8	5.5
PMH0624-4R7M0T	4.7	50	6.5	5
PMH0624-6R8M0T	6.8	70	6	4
PMH0624-100M0T	10	101	4	3.1
PMH0624-150M0T	15	160	3.3	2.5
PMH0624-220M0T	22	230	2.5	2
-	-	-	-	-
PMH0630-R22M0T	0.22	3	34	24
PMH0630-R33M0T	0.33	3.5	25	21
PMH0630-R47M0T	0.47	4.1	20	18
PMH0630-R56M0T	0.56	4.5	18	16.5
PMH0630-R68M0T	0.68	5.3	17	16
PMH0630-R82M0T	0.82	6	16	14
PMH0630-1R0M0T	1	7.4	15	12
PMH0630-1R5M0T	1.5	12.1	12	12
PMH0630-2R2M0T	2.2	15	10	9.5
PMH0630-3R3M0T	3.3	22	9.5	8.5
PMH0630-4R7M0T	4.7	33	9	6
PMH0630-5R6M0T	5.6	42	6.5	5.5
PMH0630-6R8M0T	6.8	48	6	5
PMH0630-8R2M0T	8.2	60	5.5	5
PMH0630-100M0T	10	68	5.5	4.5
PMH0630-150M0T	15	113	4	3
PMH0630-220M0T	22	170	3	2.5
PMH0630-330M0T	33	270	2.5	2
PMH0630-470M0T	47	385	2	1.5
-	-	-	-	-
PMH0640-R68M0T	0.68	4.8	19	17
PMH0640-1R0M0T	1	6.6	16	13.5
PMH0640-1R5M0T	1.5	10	12.5	12.4

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	L0 (μH)	DCR (mΩ)	Isat (A)	Irms (A)
	±20 %, 100 kHz, 1V	Max.	Typ.	Typ.
PMH0640-2R2M0T	2.2	14	11	10
PMH0640-3R3M0T	3.3	20	9.5	8.5
PMH0640-4R7M0T	4.7	30	9	6.5
PMH0640-6R8M0T	6.8	45	6.5	5.5
PMH0640-8R2M0T	8.2	55	6	5.2
PMH0640-100M0T	10	65	6	4.8
PMH0640-150M0T	15	95	4.5	3.7
PMH0640-220M0T	22	125	4	3.3
PMH0640-330M0T	33	240	3	2.2
PMH0640-470M0T	47	320	2.5	1.8
-	-	-	-	-
PMH0650-R47M0T	0.47	3.9	21	20
PMH0650-R68M0T	0.68	4.5	18	16.5
PMH0650-1R0M0T	1	6.6	16	12
PMH0650-1R5M0T	1.5	10	13	9.5
PMH0650-2R2M0T	2.2	12.5	11	9
PMH0650-3R3M0T	3.3	22	10	8.5
PMH0650-4R7M0T	4.7	29	8	6
PMH0650-6R8M0T	6.8	41	6.3	5.8
PMH0650-8R2M0T	8.2	48	5.5	5.5
PMH0650-100M0T	10	60	5.3	4.5
PMH0650-150M0T	15	90	4	3.1
PMH0650-220M0T	22	140	3.5	2.6
PMH0650-330M0T	33	190	3	2.3
PMH0650-470M0T	47	230	2.6	2

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.

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Reel & QTY information

Series	MPQ(Pcs)	Reel (W / P)
PMH0610	3,000	13" 16 / 12)
PMH0612	3,000	13" 16 / 12)
PMH0615	2,000	13" 16 / 12)
PMH0618	2,000	13" 16 / 12)
PMH0624	1,500	13" 16 / 12)
PMH0630	1,500	13" 16 / 12)
PMH0640	1,000	13" 16 / 12)
PMH0650	1,000	13" 16 / 12)