

PMH 0840 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.

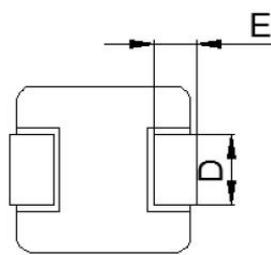
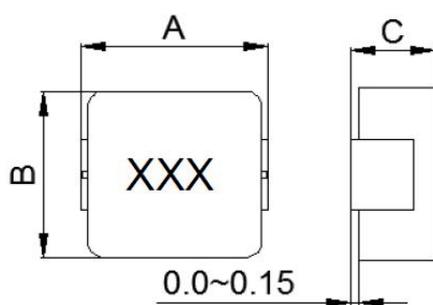
Yint P/N Information

① PM ② H ③ 0840 ④ -R22 ⑤ M ⑥ 0 ⑦ T

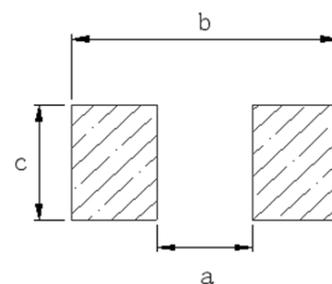
- ① Product series
- ② Material
- ③ Size
- ④ Inductance
- ⑤ Tolerance
- ⑥ Special code
- ⑦ Taping information

④ Nominal Inductance[μ H]	
Example	Nominal Value[μ H]
R22	0.22 μ H
1R0	1.0 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
PMH0840	8.8 \pm 0.4	8.2 \pm 0.3	3.8 \pm 0.2	5.0 \pm 0.3	1.4 \pm 0.3	4	9.5	5.5

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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.
PMH0840-R22M0T	0.22	1.8	60	36
PMH0840-R33M0T	0.33	2.4	45	30
PMH0840-R47M0T	0.47	2.8	42	28
PMH0840-R56M0T	0.56	3.2	26	24
PMH0840-R68M0T	0.68	3.8	24	23
PMH0840-R82M0T	0.82	4.4	21	21
PMH0840-1R0M0T	1	4.62	19	19
PMH0840-1R5M0T	1.5	7.6	17	17
PMH0840-1R8M0T	1.8	11	15	15
PMH0840-2R2M0T	2.2	11.4	14	14
PMH0840-3R3M0T	3.3	15	12.5	12
PMH0840-4R7M0T	4.7	26.5	11.5	9.5
PMH0840-5R6M0T	5.6	30	11	9
PMH0840-6R8M0T	6.8	36.8	9	8
PMH0840-8R2M0T	8.2	46	8.7	7
PMH0840-100M0T	10	59	8	6.5
PMH0840-150M0T	15	71	5.5	5.4
PMH0840-220M0T	22	113	5	4.8
PMH0840-330M0T	33	156	3.5	3.5
PMH0840-470M0T	47	225	3.1	2.9

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)
PMH0840	800	13" (24 / 16)