

## PMH 1770 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

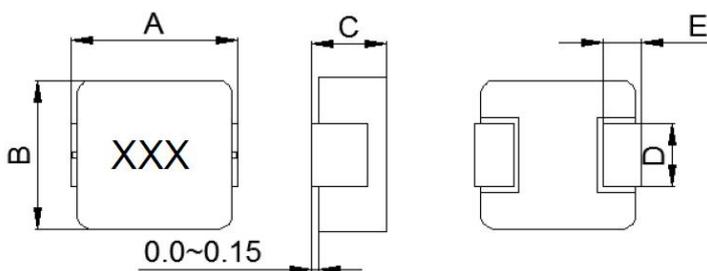
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• PM H 1770 -2R2 M 0 T

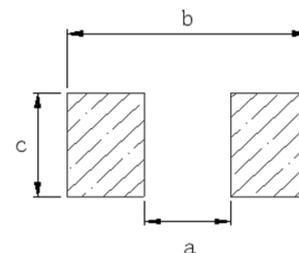
- ① Product series
- ② Material
- ③ Size
- ④ Inductance
- ⑤ Tolerance
- ⑥ Special code
- ⑦ Taping information

④ Nominal Inductance[ $\mu$ H]	
Example	Nominal Value[ $\mu$ H]
R47	0.47 $\mu$ H
2R2	2.2 $\mu$ H
100	10 $\mu$ 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
PMH1770	17.15 $\pm$ 0.35	17.15 max.	7.0 max.	12.5 $\pm$ 0.3	2.5 $\pm$ 0.5	11.2	18.2	12.8

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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)
	100 kHz, 1V	Max.	Typ.	Typ.
PMH1770-2R2M0T	2.2	2.5	34	29
PMH1770-3R3M0T	3.3	3.95	30	24
PMH1770-4R7M0T	4.7	4.75	24	21
PMH1770-6R8M0T	6.8	7.5	22	17
PMH1770-8R2M0T	8.2	8.7	20	13
PMH1770-100M0T	10	9.9	19	12
PMH1770-150M0T	15	17	14.5	11
PMH1770-220M0T	22	23	11.5	8.5
PMH1770-330M0T	33	37	10	8
PMH1770-470M0T	47	47	7.5	6
PMH1770-680M0T	68	85	6.5	5.2
PMH1770-101M0T	100	130	5	3.7

### 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)
PMH1770	200	13" (32 / 24)