

PMS 07XX Series Molding Power Inductor

Features

- Magnetic shielded structure.
- Ultra low DCR with super high DC current.
- Low loss and high efficiency with wider switching frequency operation.

Applications

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



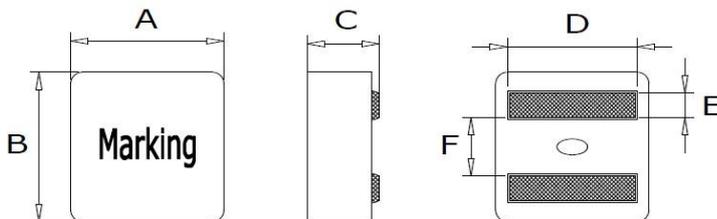
Yint P/N Information

- ① PM ② S ③ 0730 - R18 ④ M ⑤ 0 ⑥ T

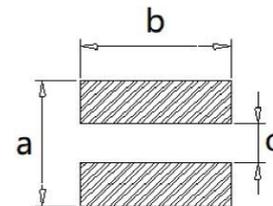
- ① Product series ⑤ Tolerance
 ② Material ⑥ Special code
 ③ Size ⑦ Taping information
 ④ Inductance

④ Nominal Inductance[μH]	
Example	Nominal Value [μH]
1R0	1.0 μH
4R7	4.7 μH
100	10 μH
⑤ Inductance Tolerance	
M	$\pm 20\%$
N	$\pm 30\%$

Shape & Dimension information



<Recommend Land Pattern>



Unit: mm

Series	Dimensions						Land Pattern (Typ.)		
	A	B	C	D	E	F	a	b	c
PMS0720	7.8 \pm 0.25	7.6 \pm 0.2	1.85 \pm 0.2	6.2 typ	1.75 \pm 0.3	3.15 \pm 0.3	7.4	7.2	2.8
PMS0730	7.8 \pm 0.25	7.6 \pm 0.2	2.9 \pm 0.2	6.2 typ	1.75 \pm 0.3	3.15 \pm 0.3	7.4	7.2	2.8
PMS0770	7.8 \pm 0.25	7.6 \pm 0.2	6.7 \pm 0.3	6.7 typ	1.75 \pm 0.3	3.15 \pm 0.3	7.4	7.2	2.8

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Testing Conditions:

1. All test data is based on 25 °C ambient .
2. Operating temperature range - 55 °C to + 125 °C
3. I_{rms} (A): DC current will cause an approximate ΔT of 40 °C based on 25 °C ambient temperature
4. I_{sat}(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.
6. Storage Temperature: Under 25°C, Humidity < 65% RH. If product is preserved for more than 6 months, the solderability of their terminals may be deteriorated.

Reel & QTY information

Series	MPQ(Pcs)	Reel (W / P)
PMS0720	2,000	13" (16 / 12)
PMS0730	1,500	13" (16 / 12)
PMS0770	700	13" (16 / 12)