

PMT 10XX Series Carbonyl Molding Power Inductor

Features

- Carbonyl group 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.

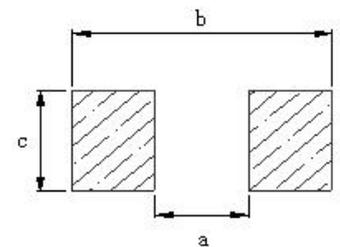
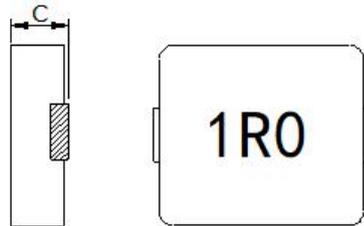
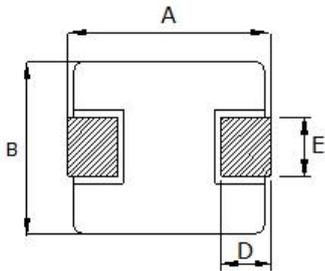
Yint P/N Information

① ② ③ ④ ⑤ ⑥ ⑦
 • PM T 1030 - 1R0 M 0 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]
1R0	1.0 μ H
4R7	4.7 μ H
100	10 μ H
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	a	b	c
PMT1030	11.0 \pm 0.5	10 \pm 0.3	2.8 \pm 0.2	2.0 \pm 0.5	3.0 \pm 0.5	5.4	13.6	4.1
PMT1040	11.0 \pm 0.5	10 \pm 0.3	3.8 \pm 0.2	2.0 \pm 0.5	3.0 \pm 0.5	5.4	13.6	4.1

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Testing Conditions:

- 1.All test data is base on 25 °C ambient .
- 2.Operating temperature range - 40°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.
- 6.Storage Temperature: Under 25°C, Humidity < 65% RH.If product is preserved for more than 6 months, the solderability of their ter-minals may be deteriorated.

Reel & QTY information

Series	MPQ(Pcs)	Reel (W / P)
PMT1030	500	13" (24 / 16)
PMT1040	500	13" (24 / 16)