

# 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

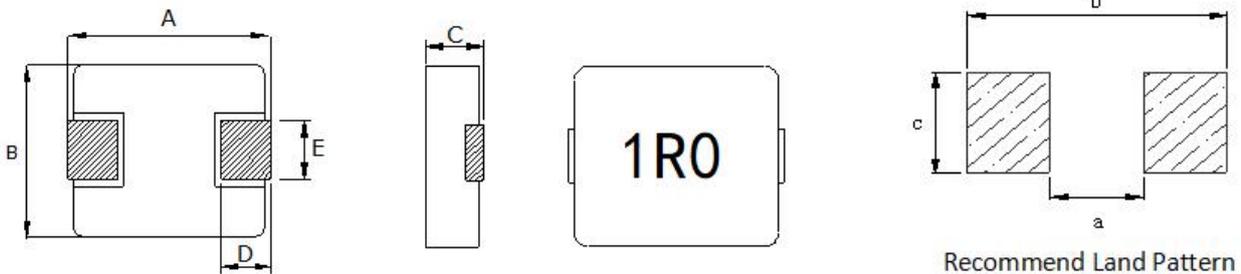
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• PM T 1030 - 1R0 M 0 T

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

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

## Shape & Dimension information



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 based on 25 °C ambient .
2. Operating temperature range - 40°C to + 125 °C
3. Irms (A): DC current will cause an approximate  $\Delta T$  of 40 °C based 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 terminals may be deteriorated.

### Reel & QTY information

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