

# PMS 15XX 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.



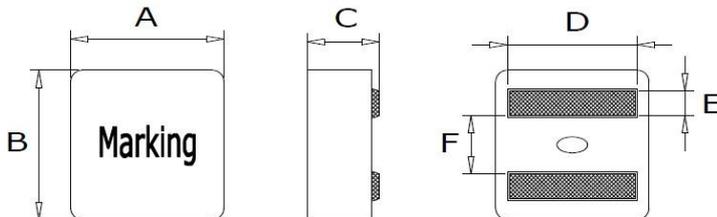
## Yint P/N Information

- ① PM   ② S   ③ 1580   ④ -1R0   ⑤ M   ⑥ 0   ⑦ T

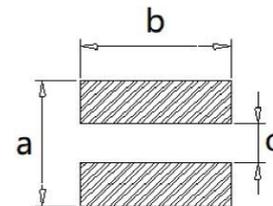
- ① Product series
- ② Material
- ③ Size
- ④ Inductance
- ⑤ Tolerance
- ⑥ Special code
- ⑦ Taping information

④ Nominal Inductance[ $\mu$ 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



### <Recommend Land Pattern>



Unit: mm

Series	Dimensions						Land Pattern (Typ.)		
	A	B	C	D	E	F	a	b	c
PMS1580	16.5 $\pm$ 0.3	15.5 $\pm$ 0.3	7.7 $\pm$ 0.3	13.2 $\pm$ 0.5	3.2 $\pm$ 0.3	7.0 $\pm$ 0.5	15.0	15.0	6.0
PMS15A0	16.5 $\pm$ 0.3	15.5 $\pm$ 0.3	9.7 $\pm$ 0.3	13.2 $\pm$ 0.5	3.2 $\pm$ 0.3	7.0 $\pm$ 0.3	15.0	15.0	6.0
PMS15A3	16.5 $\pm$ 0.3	15.5 $\pm$ 0.3	12.7 $\pm$ 0.3	13.2 $\pm$ 0.5	3.2 $\pm$ 0.3	7.0 $\pm$ 0.3	15.0	15.0	6.0



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### 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  $\Delta T$  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 terminals may be deteriorated.

### Reel & QTY information

Series	MPQ(Pcs)	Reel (W / P)
PMS1580	200	13" ( 32 / 24)
PMS15A0	150	13" ( 32 / 24)
PMS15A3	100	13" ( 32 / 24)