

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.



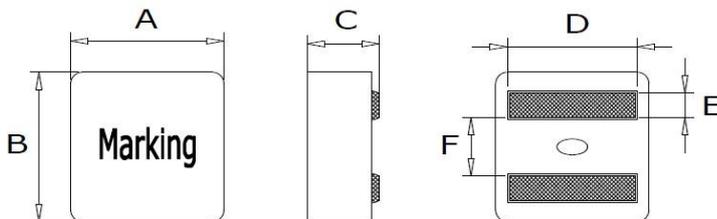
Yint P/N Information

- ① PM ② S ③ 1580 ④ -1R0 ⑤ M ⑥ 0 ⑦ T

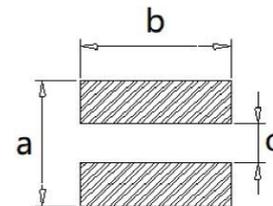
- ① Product series
- ② Material
- ③ Size
- ④ Inductance
- ⑤ Tolerance
- ⑥ Special code
- ⑦ Taping information

④ Nominal Inductance[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	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 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)
PMS1580	200	13" (32 / 24)
PMS15A0	150	13" (32 / 24)
PMS15A3	100	13" (32 / 24)