PMS 0880 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

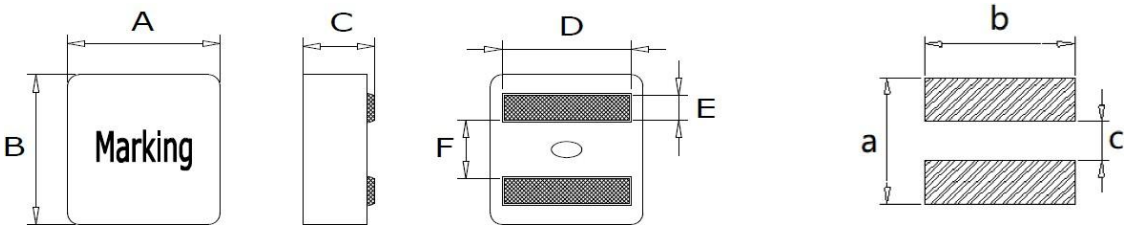
①	②	③	④	⑤	⑥	⑦
PM	S	0880	- 2R2	M	0	T

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

④	Nominal Inductance[μH]
Example	Nominal Value [μH]
2R2	2.2 μH
4R7	4.7 μH
100	10 μH
⑤	Inductance Tolerance
M	±20%
N	±30%

Shape & Dimension information

<Recommend Land Pattern>



Unit: mm

Series	Dimensions						Land Pattern (Typ.)		
	A	B	C	D	E	F	a	b	c
PMS0880	8.9±0.3	8.5±0.3	7.7±0.3	7.2typ	1.8±0.3	3.5±0.5	8.0	7.8	2.7

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Specification information

Yint P/N	Inductance	DC Resistance	Saturation Current		Heating Rating Current	
	L0 (μH)	DCR (mΩ)	Isat (A)		Irms (A)	
	100 kHz, 1V	Max.	Max.	Typ.	20℃ rise	40℃ rise
PMS0880-1R8M0T	1.8	4	24	28	18	24
PMS0880-2R2M0T	2.2	4.3	22	25	16	21.5
PMS0880-3R3M0T	3.3	7.3	20	23	13.5	18
PMS0880-4R7M0T	4.7	9.8	17	19	10.5	14.6
PMS0880-6R8M0T	6.8	14.3	12.5	14.5	8.0	11.3
PMS0880-100M0T	10	22.9	10	11	6.6	8.7
-	-	-	-	-	-	-

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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 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℃,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）
PMS0880	450	13″ (24 / 16)