

UNSHIELDED SMD POWER INDUCTORS / DS TYPE

FEATURES

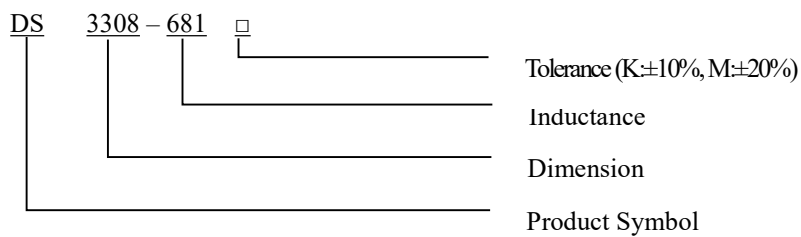
- ◆ Designed for the smallest possible size and high performance
- ◆ They are with high energy storage and very low resistance making them the ideal inductors for DC-DC conversion in the following applications
- ◆ DS 1608 used ceramic base with gold-plating
- ◆ Others used LCP plastic base



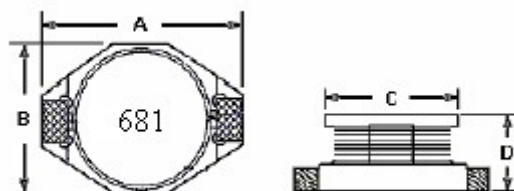
APPLICATIONS

- ◆ Wearables.
- ◆ Smart sensors.
- ◆ AI systems.
- ◆ Industrial systems.

ORDERING CODE



DIMENSIONS (UNIT: mm)



A	12.95 (MAX)	m/m
B	9.40 (MAX)	m/m
C	8.38 (MAX)	m/m
D	3.00 (MAX)	m/m



CORE MASTER ENTERPRISE CO., LTD.

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ELECTRICAL CHARACTERISTICS FOR DS3308

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
DS3308-4R7 □	4.7	0.060	4.40
DS3308-6R8 □	6.8	0.070	3.70
DS3308-100 □	10	0.080	2.65
DS3308-150 □	15	0.150	2.30
DS3308-220 □	22	0.180	2.00
DS3308-330 □	33	0.300	1.60
DS3308-470 □	47	0.400	1.42
DS3308-680 □	68	0.660	1.10
DS3308-101 □	100	0.840	0.90
DS3308-151 □	150	1.200	0.83
DS3308-221 □	220	1.900	0.65
DS3308-681 □	680	3.050	0.30
DS3308-102 □	1000	5.200	0.20

* 100uH 以上 Test Frequency : 1KHZ/1V

* 100uH 以下 Test Frequency : 100KHZ/0.1V



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