

UNSHIELDED SMD POWER INDUCTORS / DS TYPE

FEATURES

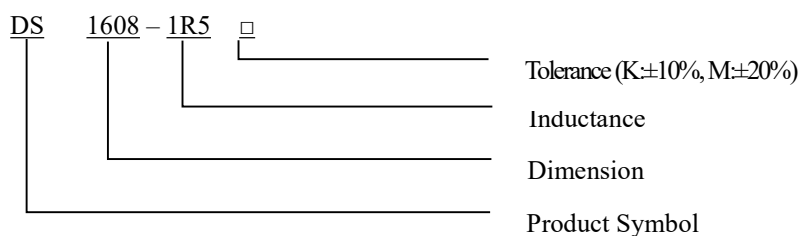
- ◆ Designed for the smallest possible size and high performance
- ◆ They are with high energy storage and very low resistance making them the ideal inductors for DC-DC conversion in the following applications
- ◆ DS 1608 used ceramic base with gold-plating
- ◆ Others used LCP plastic base



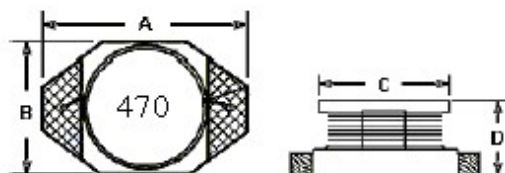
APPLICATIONS

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

ORDERING CODE



DIMENSIONS (UNIT: mm)



A	6.60 (MAX)	m/m
B	4.45 (MAX)	m/m
C	3.94 (MAX)	m/m
D	2.92 (MAX)	m/m



CORE MASTER ENTERPRISE CO., LTD.

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ELECTRICAL CHARACTERISTICS FOR DS1608

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
DS1608-1R0 □	1.0	0.063	5.00
DS1608-2R2 □	2.2	0.070	3.90
DS1608-3R3 □	3.3	0.080	3.00
DS1608-4R7 □	4.7	0.100	2.50
DS1608-6R8 □	6.8	0.138	2.20
DS1608-8R2 □	8.2	0.149	2.00
DS1608-100 □	10	0.160	1.70
DS1608-150 □	15	0.230	1.40
DS1608-220 □	22	0.400	1.10
DS1608-270 □	27	0.420	1.05
DS1608-330 □	33	0.510	0.90
DS1608-470 □	47	0.750	0.70
DS1608-680 □	68	0.800	0.65
DS1608-101 □	100	1.270	0.55
DS1608-181 □	180	2.500	0.40
DS1608-221 □	220	3.100	0.30
DS1608-331 □	330	4.200	0.20
DS1608-471 □	470	9.580	0.15
DS1608-681 □	680	9.600	0.13
DS1608-102 □	1000	12.000	0.10

* 100uH 以上 Test Frequency : 1KHZ/1V

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



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