

UNSHIELDED SMD POWER INDUCTORS / DS TYPE

FEATURES

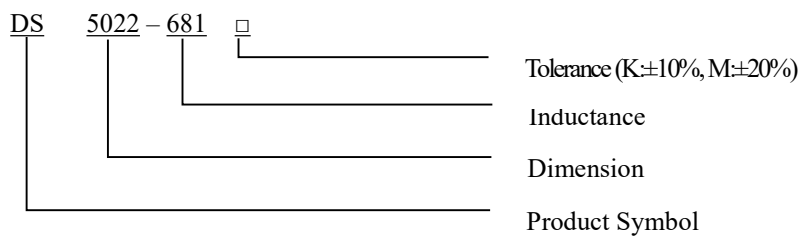
- ◆ Designed for the smallest possible size and high performance
- ◆ They are with high energy storage and very low resistance making them the ideal inductors for DC-DC conversion in the following applications
- ◆ DS 1608 used ceramic base with gold-plating
- ◆ Others used LCP plastic base



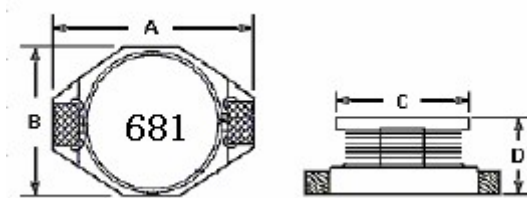
APPLICATIONS

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

ORDERING CODE



DIMENSIONS (UNIT: mm)



A	18.51 (MAX)	m/m
B	15.24 (MAX)	m/m
C	12.70 (MAX)	m/m
D	7.11 (MAX)	m/m



CORE MASTER ENTERPRISE CO., LTD.

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ELECTRICAL CHARACTERISTICS FOR DS5022

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
DS5022-1R0 □	1.0	0.008	20.00
DS5022-2R2 □	2.2	0.020	19.00
DS5022-3R3 □	3.3	0.025	18.00
DS5022-5R6 □	5.6	0.030	16.00
DS5022-100 □	10	0.032	14.50
DS5022-150 □	15	0.036	12.00
DS5022-220 □	22	0.047	10.00
DS5022-330 □	33	0.070	9.00
DS5022-470 □	47	0.077	7.00
DS5022-680 □	68	0.120	6.00
DS5022-101 □	100	0.190	5.00
DS5022-151 □	150	0.250	4.00
DS5022-221 □	220	0.380	3.00
DS5022-331 □	330	0.560	2.50
DS5022-471 □	470	0.850	2.20
DS5022-681 □	680	0.910	1.60
DS5022-102 □	1000	2.500	1.00
DS5022-222 □	2200	3.300	0.40

* 100uH 以上 Test Frequency : 1KHZ/1V

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



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