

UNSHIELDED SMD POWER INDUCTORS / DS TYPE

FEATURES

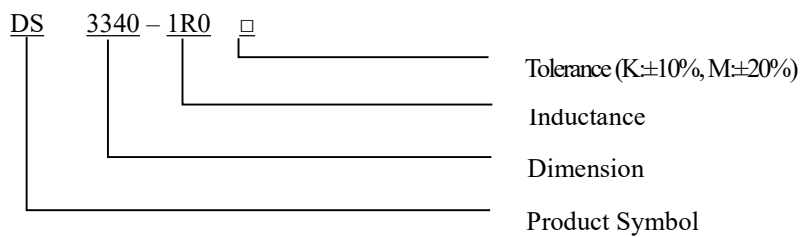
- ◆ Designed for the smallest possible size and high performance
- ◆ They are with high energy storage and very low resistance making them the ideal inductors for DC-DC conversion in the following applications
- ◆ DS 1608 used ceramic base with gold-plating
- ◆ Others used LCP plastic base



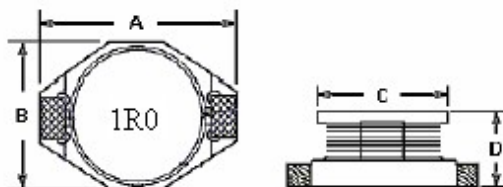
APPLICATIONS

- ◆ 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	11.43 (MAX)	m/m



CORE MASTER ENTERPRISE CO., LTD.

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ELECTRICAL CHARACTERISTICS FOR DS3340

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
DS3340-1R0 □	1.0	0.007	20.00
DS3340-2R2 □	2.2	0.016	19.50
DS3340-3R3 □	3.3	0.018	19.00
DS3340-4R7 □	4.7	0.020	18.00
DS3340-6R8 □	6.8	0.040	11.00
DS3340-100 □	10	0.045	10.50
DS3340-150 □	15	0.055	10.00
DS3340-220 □	22	0.070	8.50
DS3340-330 □	33	0.080	7.30
DS3340-470 □	47	0.100	6.00
DS3340-680 □	68	0.170	4.80
DS3340-101 □	100	0.220	3.20
DS3340-151 □	150	0.340	3.00
DS3340-221 □	220	0.440	2.60
DS3340-331 □	330	0.700	2.00
DS3340-471 □	470	0.950	1.20
DS3340-681 □	680	1.000	1.10
DS3340-821 □	820	1.630	1.00
DS3340-102 □	1000	2.600	0.50

* 100uH 以上 Test Frequency : 1KHZ/1V

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



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