

SHIELDED SMD POWER INDUCTORS / NR TYPE

FEATURES

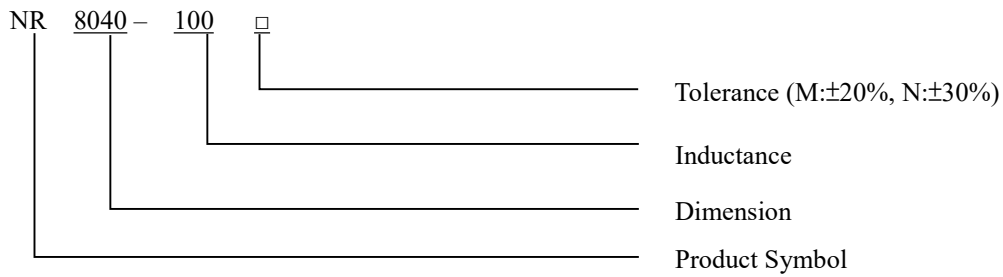
- ◆ Low profile construction and miniature size
- ◆ Magnetic shielded construction
- ◆ High current saturation
- ◆ For new generation portable product D/D converter unit.



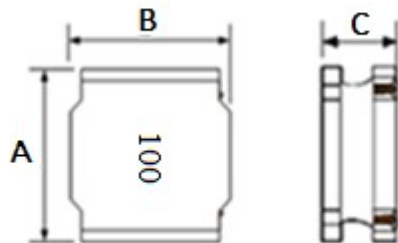
APPLICATIONS

- ◆ For small DC/DC converter (cellular phone, HDD, DVC, DSC, LCD display etc).

ORDERING CODE



DIMENSIONS (UNIT: mm)



A	8.0 ± 0.3	m/m
B	8.0 ± 0.3	m/m
C	4.2 (MAX)	m/m



CORE MASTER ENTERPRISE CO., LTD.

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ELECTRICAL CHARACTERISTICS FOR NR8040

Part No.	Inductance (uH)	Test Frequency	RDC (Ω)	IDC (A)
NR8040-R47 □	0.47	100KHz	0.007	12.00
NR8040-R68 □	0.68	100KHz	0.011	10.00
NR8040-R82 □	0.82	100KHz	0.012	9.80
NR8040-1R0 □	1.00	100KHz	0.013	9.80
NR8040-1R5 □	1.50	100KHz	0.014	7.70
NR8040-2R2 □	2.20	100KHz	0.016	7.10
NR8040-3R3 □	3.30	100KHz	0.022	6.50
NR8040-4R7 □	4.70	100KHz	0.026	5.90
NR8040-5R6 □	5.60	100KHz	0.031	5.50
NR8040-6R8 □	6.80	100KHz	0.036	4.50
NR8040-8R2 □	8.20	100KHz	0.046	4.20
NR8040-100 □	10	100KHz	0.049	3.60
NR8040-120 □	12	100KHz	0.065	3.40
NR8040-150 □	15	100KHz	0.073	2.90
NR8040-220 □	22	100KHz	0.096	2.40
NR8040-330 □	33	100KHz	0.143	2.00
NR8040-470 □	47	100KHz	0.177	1.70
NR8040-560 □	56	100KHz	0.230	1.60
NR8040-680 □	68	100KHz	0.255	1.40
NR8040-820 □	82	100KHz	0.345	1.30
NR8040-101 □	100	100KHz	0.384	1.15
NR8040-121 □	120	100KHz	0.553	1.10
NR8040-151 □	150	100KHz	0.624	1.05
NR8040-221 □	220	100KHz	0.858	0.85
NR8040-331 □	330	100KHz	1.261	0.68
NR8040-471 □	470	100KHz	1.625	0.60
NR8040-561 □	560	100KHz	2.210	0.55
NR8040-681 □	680	100KHz	2.670	0.52
NR8040-821 □	820	100KHz	3.640	0.45
NR8040-102 □	1000	100KHz	3.800	0.40
NR8040-122 □	1200	100KHz	4.680	0.37
NR8040-132 □	1300	100KHz	5.330	0.36
NR8040-152 □	1500	100KHz	6.540	0.35
NR8040-202 □	2000	100KHz	8.710	0.30



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NR8040-222 □	2200	100KHz	9.960	0.27
NR8040-272 □	2700	100KHz	11.960	0.25
NR8040-402 □	4000	100KHz	19.200	0.22
NR8040-472 □	4700	100KHz	20.800	0.21
NR8040-502 □	5000	100KHz	22.400	0.15
NR8040-103 □	10000	100KHz	54.600	0.12



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