

SHIELDED SMD POWER INDUCTORS / NR(M) TYPE

FEATURES

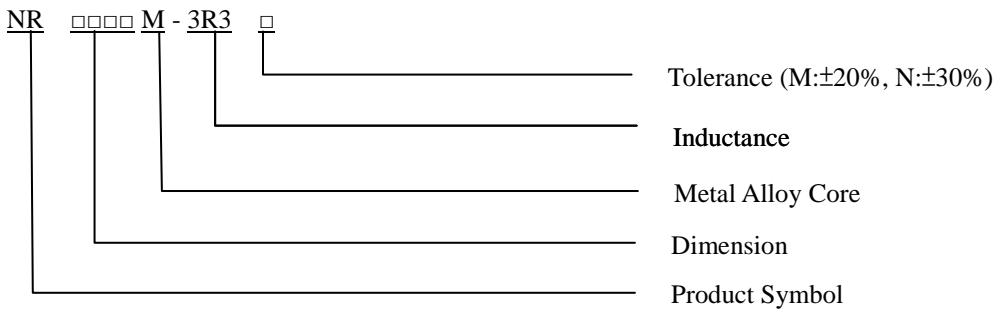
- ◆ Low profile construction and miniature size
- ◆ Magnetic shielded construction
- ◆ High current saturation
- ◆ For new generation portable product D/D converter unit.
- ◆ Metal alloy core



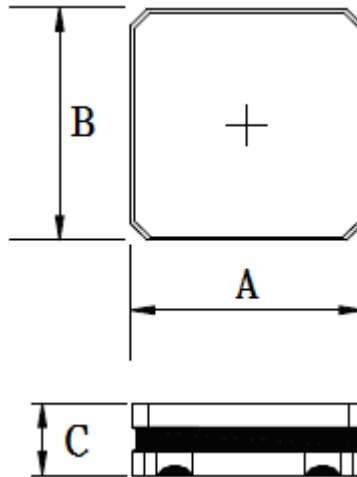
APPLICATIONS

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

ORDERING CODE



SHAPES



DIMENSIONS (UNIT: mm)

Part No.	A	B	C
NR2010M	2.0 ± 0.3	1.6 ± 0.3	1.0 (MAX)
NR2510M	2.5 ± 0.3	2.0 ± 0.3	1.0 (MAX)
NR2512M	2.5 ± 0.2	2.0 ± 0.2	1.20 ± 0.1

CORE MASTER ENTERPRISE CO., LTD.

<http://www.coremaster.com.tw>



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ELECTRICAL CHARACTERISTICS FOR NR2010M

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) MAX	IDC (A) MAX
NR2010M-R24 □	0.24	1MHz / 1V	34	5.60
NR2010M-R33 □	0.33	1MHz / 1V	40	4.80
NR2010M-R47 □	0.47	1MHz / 1V	48	3.60
NR2010M-R68 □	0.68	1MHz / 1V	56	3.00
NR2010M-1R0 □	1.00	1MHz / 1V	75	2.40
NR2010M-1R5 □	1.50	1MHz / 1V	120	1.80
NR2010M-2R2 □	2.20	1MHz / 1V	160	1.55
NR2010M-3R3 □	3.30	1MHz / 1V	230	1.25
NR2010M-4R7 □	4.70	1MHz / 1V	340	1.00
NR2010M-6R8 □	6.80	1MHz / 1V	540	0.84
NR2010M-100 □	10.0	1MHz / 1V	685	0.75

ELECTRICAL CHARACTERISTICS FOR NR2510M

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) MAX	IDC (A) MAX
NR2510M -R24 □	0.24	1MHz / 1V	31.0	6.80
NR2510M -R33 □	0.33	1MHz / 1V	36.0	6.10
NR2510M -R47 □	0.47	1MHz / 1V	44.5	5.50
NR2510M -R68 □	0.68	1MHz / 1V	62.0	4.05
NR2510M -1R0 □	1.00	1MHz / 1V	80.0	3.35
NR2510M -1R5 □	1.50	1MHz / 1V	106	2.85
NR2510M -2R2 □	2.20	1MHz / 1V	150	2.60
NR2510M -3R3 □	3.30	1MHz / 1V	222	2.10
NR2510M -4R7 □	4.70	1MHz / 1V	290	1.75
NR2510M -6R8 □	6.80	1MHz / 1V	435	1.40
NR2510M -100 □	10.0	1MHz / 1V	530	1.28

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ELECTRICAL CHARACTERISTICS FOR NR2512M

Part No.	Inductance (μ H)	Test Frequency (MHz)	RDC ($m\Omega$) MAX	IDC (A) MAX
NR2512M-R24 □	0.24	1MHz / 0.1V	23	6.8
NR2512M-R33 □	0.33	1MHz / 0.1V	28	5.8
NR2512M-R47 □	0.47	1MHz / 0.1V	35	5.0
NR2512M-R68 □	0.68	1MHz / 0.1V	43	4.2
NR2512M-1R0 □	1.00	1MHz / 0.1V	48	3.7
NR2512M-1R5 □	1.50	1MHz / 0.1V	72	3.1
NR2512M-2R2 □	2.20	1MHz / 0.1V	100	2.5
NR2512M-3R3 □	3.30	1MHz / 0.1V	150	2.1
NR2512M-4R7 □	4.70	1MHz / 0.1V	230	2.0
NR2512M-100 □	10.0	1MHz / 0.1V	480	1.3