

SHIELDED SMD POWER INDUCTORS / NR(M) TYPE

FEATURES

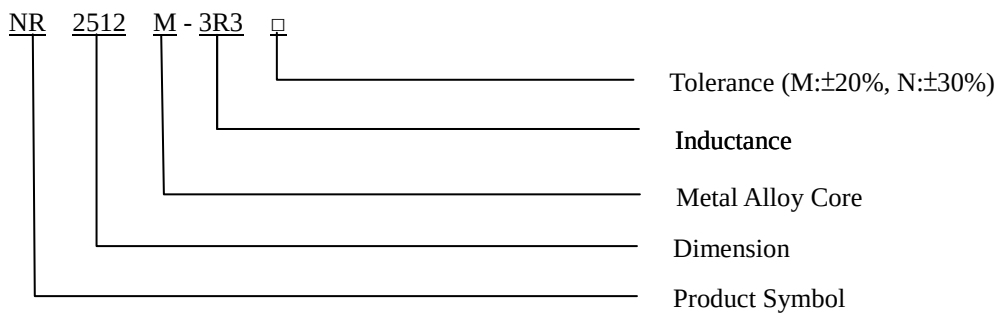
- ◆ Low profile construction and miniature size
- ◆ Magnetic shielded construction
- ◆ High current saturation
- ◆ For new generation portable product D/D converter unit.
- ◆ Metal alloy core



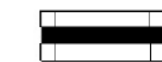
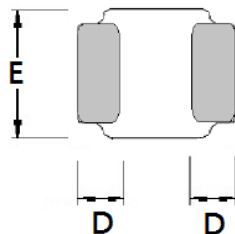
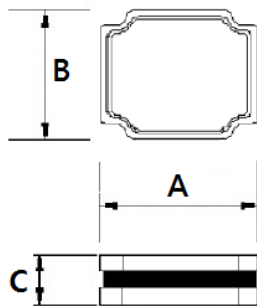
APPLICATIONS

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

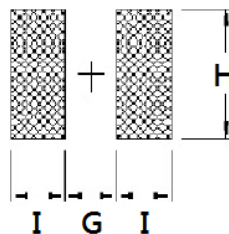
ORDERING CODE



DIMENSIONS (UNIT: mm)



Recommended Land Pattern



Unit : mm

A	2.50 ± 0.2	m/m
B	2.00 ± 0.2	m/m
C	1.20 ± 0.1	m/m
D	0.75 ± 0.1	m/m
E	2.00 ± 0.2	m/m
G	0.80 (REF)	m/m
H	2.00 (REF)	m/m
I	0.85 (REF)	m/m

CORE MASTER ENTERPRISE CO., LTD.

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



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ELECTRICAL CHARACTERISTICS FOR NR2512M

Part No.	Inductance (μ H)	Test Frequency (MHz)	RDC (m Ω) 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