

SHIELDED SMD POWER INDUCTORS / NR TYPE

FEATURES

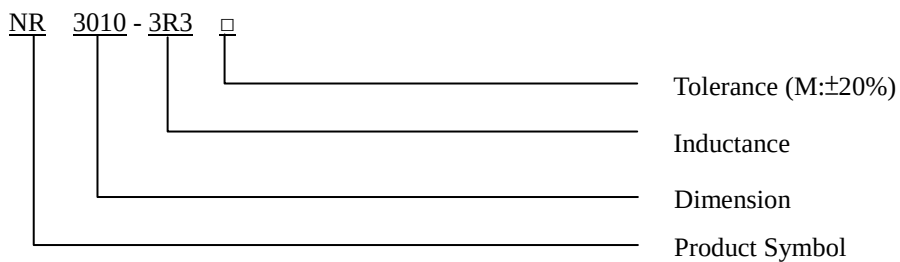
- ◆ Low profile construction and miniature size
- ◆ Magnetic shielded construction
- ◆ High current saturation
- ◆ For new generation portable product D/D converter unit.



APPLICATIONS

- ◆ DVC 、 DSC 、 PDA 、 LCD display 、 Cellular phones, HDD, etc

ORDERING CODE



SHAPES

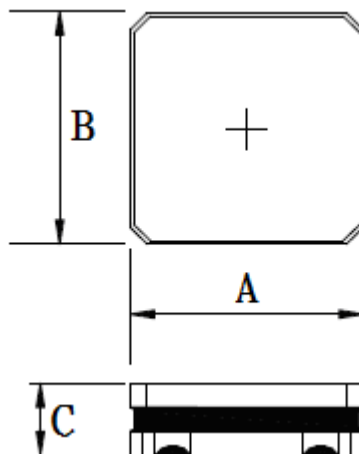


Fig.1

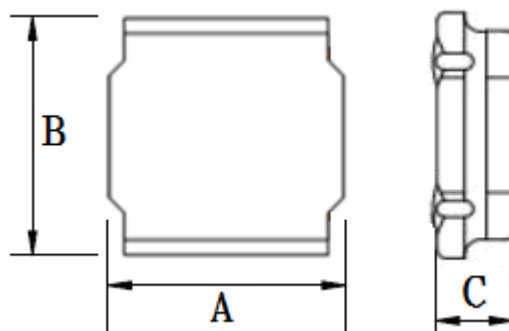


Fig.2

SHIELDED SMD POWER INDUCTORS / NR TYPE

DIMENSIONS (UNIT: mm)

Part No.	Fig.	A	B	C (MAX)
NR2512	1	2.5 ± 0.2	2.5 ± 0.2	1.20
NR3010	1	3.0 ± 0.1	3.0 ± 0.1	1.00
NR3015	1	3.0 ± 0.1	3.0 ± 0.1	1.50
NR4018	2	4.0 ± 0.2	4.0 ± 0.2	1.80
NR6045	2	6.0 ± 0.2	6.0 ± 0.2	4.50
NR8040	2	8.0 ± 0.2	8.0 ± 0.2	4.20

ELECTRICAL CHARACTERISTICS FOR NR2512

Part No.	Inductance (μH)	RDC (Ω)	IDC (mA)
NR2512-R47 □	0.47	0.028	3500
NR2512-1R0 □	1.0	0.043	2450
NR2512-1R5 □	1.5	0.070	2070
NR2512-2R2 □	2.2	0.088	1950
NR2512-3R3 □	3.3	0.130	1600
NR2512-4R7 □	4.7	0.180	1400
NR2512-6R8 □	6.8	0.320	1040
NR2512-100 □	10.0	0.350	770

ELECTRICAL CHARACTERISTICS FOR NR3010

Part No.	Inductance (μH)	RDC (Ω)	IDC (mA)
NR3010-1R0 □	1.0	0.078	1700
NR3010-1R5 □	1.5	0.096	1400
NR3010-2R2 □	2.2	0.114	1250
NR3010-3R3 □	3.3	0.192	900
NR3010-4R7 □	4.7	0.228	850
NR3010-6R8 □	6.8	0.360	660
NR3010-100 □	10	0.540	530
NR3010-150 □	15	0.888	420
NR3010-220 □	22	1.176	360
NR3010-330 □	33	1.860	280
NR3010-470 □	47	2.400	240

ELECTRICAL CHARACTERISTICS FOR NR3015

Part No.	Inductance (μH)	RDC (Ω)	IDC (mA)
NR3015-1R0 □	1.0	0.048	2100
NR3015-1R5 □	1.5	0.066	1800
NR3015-2R2 □	2.2	0.072	1480
NR3015-3R3 □	3.3	0.112	1210
NR3015-4R7 □	4.7	0.136	1008
NR3015-6R8 □	6.8	0.211	900
NR3015-100 □	10	0.276	750
NR3015-150 □	15	0.422	580

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ELECTRICAL CHARACTERISTICS FOR NR3015

Part No.	Inductance (uH)	RDC (Ω)	IDC (mA)
NR3015-220 □	22	0.622	470
NR3015-330 □	33	0.959	390
NR3015-470 □	47	1.406	320
NR3015-101 □	100	2.920	230

ELECTRICAL CHARACTERISTICS FOR NR4018

Part No.	Inductance (uH)	RDC (Ω)	IDC (mA)
NR4018-1R0 □	1.0	0.030	4000
NR4018-2R2 □	2.2	0.060	2700
NR4018-3R3 □	3.3	0.070	3000
NR4018-4R7 □	4.7	0.090	1700
NR4018-6R8 □	6.8	0.110	1450
NR4018-100 □	10	0.180	1200
NR4018-150 □	15	0.250	940
NR4018-220 □	22	0.360	800
NR4018-330 □	33	0.530	650
NR4018-470 □	47	0.650	570
NR4018-680 □	68	1.000	470
NR4018-101 □	100	1.500	400
NR4018-151 □	150	2.500	310
NR4018-221 □	220	4.000	270

ELECTRICAL CHARACTERISTICS FOR NR6045

Part No.	Inductance (uH)	RDC (Ω)	IDC (mA)
NR6045-1R0 □	1.0	0.014	8500
NR6045-1R3 □	1.3	0.016	8000
NR6045-1R8 □	1.8	0.018	7000
NR6045-2R2 □	2.2	0.050	6500
NR6045-2R3 □	2.3	0.055	6000
NR6045-3R0 □	3.0	0.060	5000
NR6045-4R5 □	4.5	0.065	4000
NR6045-6R3 □	6.3	0.070	3800
NR6045-100 □	10	0.080	3500
NR6045-150 □	15	0.095	3100
NR6045-220 □	22	0.200	2950
NR6045-330 □	33	0.280	2800
NR6045-470 □	47	0.390	2600
NR6045-680 □	68	0.530	1000
NR6045-101 □	100	0.700	800

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ELECTRICAL CHARACTERISTICS FOR NR8040

Part No.	Inductance (μ H)	RDC (Ω)	IDC (mA)
NR8040-R90 □	0.9	0.006	11000
NR8040-1R4 □	1.4	0.007	9900
NR8040-2R0 □	2.0	0.009	7400
NR8040-3R6 □	3.6	0.015	5300
NR8040-4R7 □	4.7	0.018	4700
NR8040-6R8 □	6.8	0.025	4000
NR8040-100 □	10.0	0.034	3400
NR8040-150 □	15.0	0.050	2700
NR8040-220 □	22.0	0.066	2200
NR8040-330 □	33.0	0.100	1900
NR8040-470 □	47.0	0.150	1500
NR8040-680 □	68.0	0.230	1200
NR8040-101 □	100.0	0.290	1000

*NR2510~NR3015 Test Frequency : 1MHz

*NR4018~NR8040 Test Frequency : 100KHz