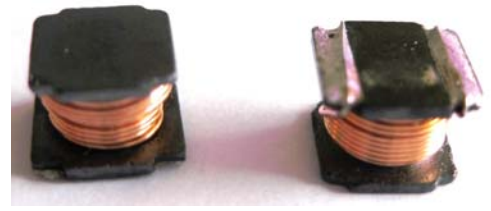


SMD POWER INDUCTORS / NR TYPE

FEATURES

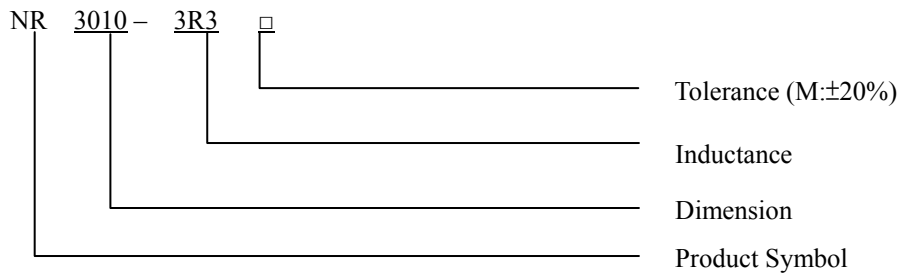
- ◆ Low profile construction and miniature size
- ◆ Magnetic shielded construction
- ◆ High current saturation
- ◆ For new generation portable product D/D converter unit.



APPLICATIONS

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

ORDERING CODE



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SMD POWER INDUCTORS / NR TYPE

SHAPES

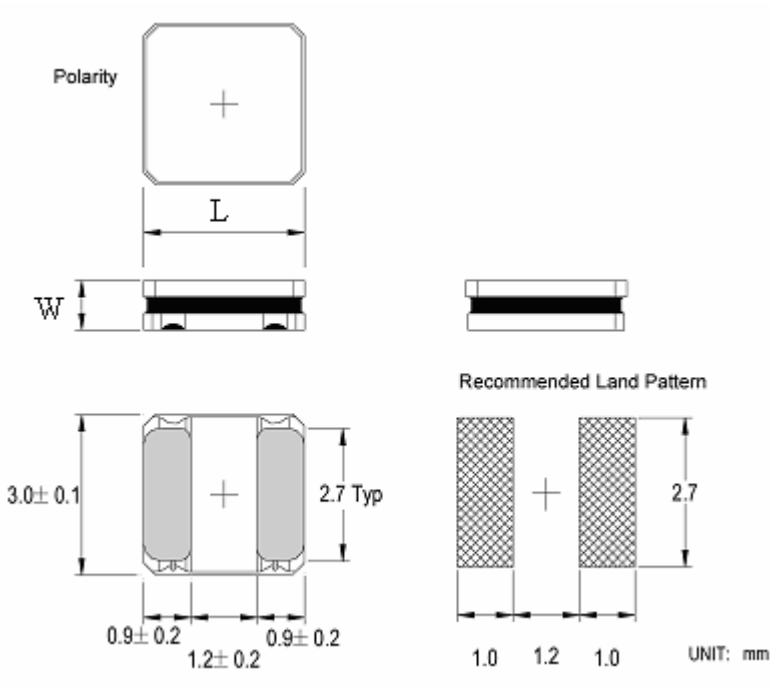


Fig.1

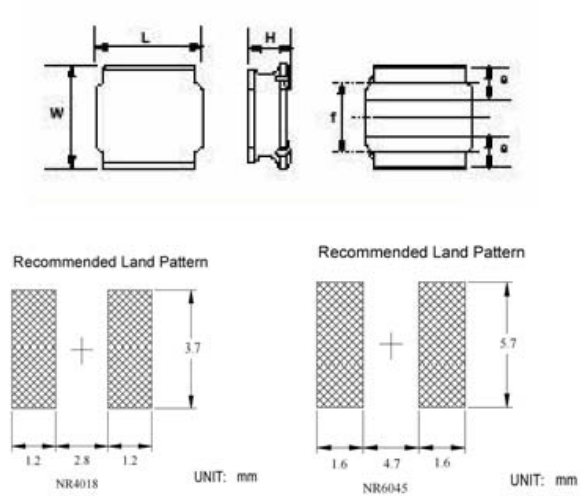


Fig.2

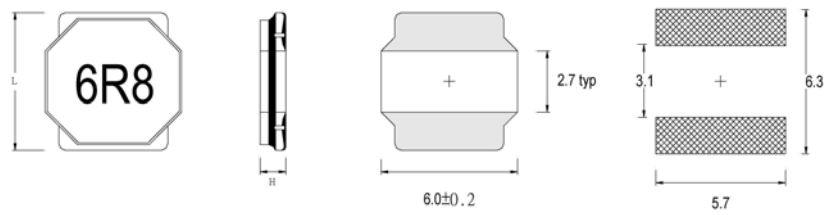


Fig.3

SMD POWER INDUCTORS / NR TYPE

DIMENSIONS (UNIT: mm)

Part No.	Fig.	L	W	H(Max)	e	f
NR3010	1	3.0 ± 0.1	1.0 (MAX)	--	--	--
NR3015	1	3.0 ± 0.1	1.5 (MAX)	--	--	--
NR4018	2	4.0 ± 0.2	4.0 ± 0.2	1.8	1.10 ± 0.2	2.50 ± 0.2
NR5040	2	5.0 ± 0.2	5.0 ± 0.2	4.2	1.35 ± 0.2	4.00 ± 0.2
NR6012	3	6.0 ± 0.2	--	1.2	--	--
NR6045	2	6.0 ± 0.2	6.0 ± 0.2	4.5	1.35 ± 0.2	4.00 ± 0.2

ELECTRICAL CHARACTERISTICS FOR NR3010

Part No.	Inductance (uH)	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

* Test Frequency : 1MHz

* Tolerance :M:±20% , N:±30%

* Operating temperature: -40°C ~ +85°C

ELECTRICAL CHARACTERISTICS FOR NR3015

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

* Test Frequency : 1MHz

* Tolerance :M:±20%

* Operating temperature: -40°C ~ +85°C



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SMD POWER INDUCTORS / NR TYPE

ELECTRICAL CHARACTERISTICS FOR NR4018

Part No.	Inductance (μ H)	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

* Test Frequency : 100KHz

* Tolerance :M:±20% , N:±30%

* Operating temperature: -40°C ~ +85°C

ELECTRICAL CHARACTERISTICS FOR NR5040

Part No.	Inductance (μ H)	RDC (Ω)	IDC (mA)
NR5040-3R3 □	3.3	0.050	5000

* Test Frequency : 100KHz

* Tolerance :M:±20% , N:±30%

* Operating temperature: -40°C ~ +85°C

ELECTRICAL CHARACTERISTICS FOR NR6012

Part No.	Inductance (μ H)	RDC (Ω)	IDC (mA)
NR6012-2R5 □	2.5	0.090	2100
NR6012-4R0 □	4.0	0.105	1800
NR6012-5R8 □	5.3	0.110	1500
NR6012-6R8 □	6.8	0.165	1300
NR6012-100 □	10	0.235	1000
NR6012-150 □	15	0.330	800
NR6012-220 □	22	0.530	760
NR6012-330 □	33	0.700	590
NR6012-390 □	39	0.950	560
NR6012-470 □	47	1.050	520

* Test Frequency : 100KHz

* Tolerance :M:±20% , N:±30%

* Operating temperature: -40°C ~ +85°C



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ELECTRICAL CHARACTERISTICS FOR NR6045

Part No.	Inductance (μ H)	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	0.420	1000
NR6045-101 □	100	0.500	800

* Test Frequency : 100KHz

* Tolerance :M:±20% , N:±30%

* Operating temperature: -40°C ~ +85°C



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