

Mini Power Inductors

NAN Series



(NAN0610)

FEATURES

Very low profile.

Constructed enclosed in a rugged to provide optimum pick and place operations.

High inductance & high current ultra low profile power inductors.

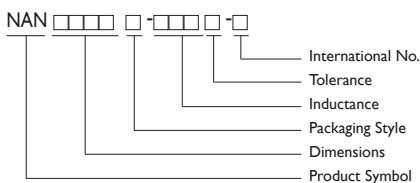
APPLICATIONS

DC to DC converter

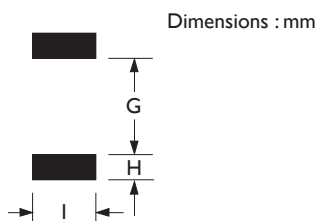
LCD

Mobile telephone

PRODUCT IDENTIFICATION



LAND PATTERNS PCB



ELECTRICAL CHARACTERISTICS : LEAD-FREE & ROHS COMPLIANCE

TYPE	Inductance L(μ H) ¹	DCR (Ω) MAX.	IDC (mA) MAX. ²
NAN0610T-1R2M-N	1.20	0.08	2100
NAN0610T-1R5M-N	1.50	0.10	1900
NAN0610T-2R2M-N	2.20	0.12	1600
NAN0610T-3R3M-N	3.30	0.16	1300
NAN0610T-4R7M-N	4.70	0.20	1100
NAN0610T-6R8M-N	6.80	0.32	900
NAN0610T-100M-N	10.0	0.41	800
NAN0610T-150M-N	15.0	0.55	650
NAN0610T-220M-N	22.0	0.85	500
NAN0610T-330M-N	33.0	1.30	400
NAN0610T-470M-N	47.0	1.80	350
NAN0610T-680M-N	68.0	2.50	300
NAN0610T-101M-N	100	3.50	250
NAN0610T-151M-N	150	5.00	180
NAN0610T-221M-N	220	7.00	160
NAN0610T-331M-N	330	15.0	130

1. Test Frequency 100KHZ / 0.1Vrms.

2. DC current at which the Inductance drops 10%(typ) from its value without current.

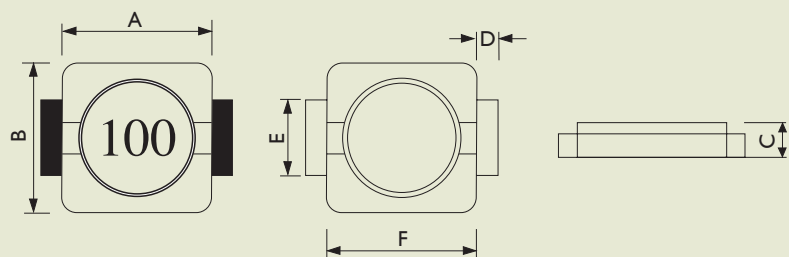
3. Operating Temperature Range -40°C to 85°C

4. Electrical specification at 25°C

5. Inductance : M : $\pm 20\%$

SHAPE AND DIMENSIONS

Dimensions : mm



TYPE	A	B	C	D	E	F	G	H	I
NAN0610	6.5MAX	5.3 \pm 0.3	1.0MAX	0.9	3.0	4.5	4.0	1.0	2.3

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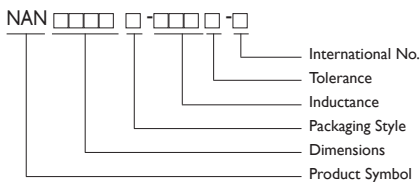
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DC to DC converter

LCD

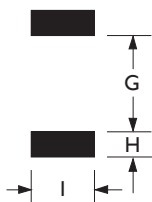
Mobile telephone

PRODUCT IDENTIFICATION



LAND PATTERNS PCB

Dimensions : mm



ELECTRICAL CHARACTERISTICS : LEAD-FREE & ROHS COMPLIANCE

TYPE	Inductance L(μ H) ¹	DCR (Ω) MAX.	IDC (mA) MAX. ²
NAN0620T-1R0M-N	1.00	0.04	2500
NAN0620T-1R5M-N	1.50	0.06	2200
NAN0620T-2R2M-N	2.20	0.07	1800
NAN0620T-3R3M-N	3.30	0.11	1400
NAN0620T-4R7M-N	4.70	0.12	1200
NAN0620T-6R8M-N	6.80	0.19	1100
NAN0620T-100M-N	10.0	0.30	1000
NAN0620T-150M-N	15.0	0.40	800
NAN0620T-220M-N	22.0	0.54	600
NAN0620T-330M-N	33.0	0.74	500
NAN0620T-470M-N	47.0	1.10	450
NAN0620T-680M-N	68.0	1.60	350
NAN0620T-101M-N	100	2.30	300
NAN0620T-151M-N	150	3.20	250
NAN0620T-221M-N	220	5.70	200
NAN0620T-331M-N	330	8.20	160
NAN0620T-471M-N	470	10.8	140
NAN0620T-681M-N	680	17.2	120
NAN0620T-102M-N	100.0	22.6	80

1. Test Frequency 100KHZ / 0.1Vrms.

2. DC current at which the Inductance drops 10%(typ) from its value without current.

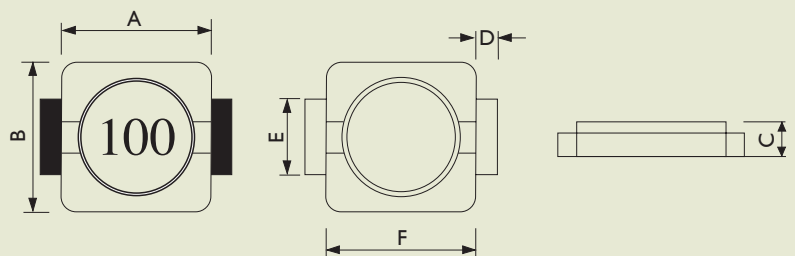
3. Operating Temperature Range -40°C to 85°C

4. Electrical specification at 25°C

5. Inductance : M : ±20%

SHAPE AND DIMENSIONS

Dimensions : mm



TYPE	A	B	C	D	E	F	G	H	I
NAN0620	6.5MAX	5.3±0.3	2.0MAX	0.9	3.0	4.5	4.0	1.0	2.3