

## SMD Power Inductors

## NAS Series



(NAS0630)

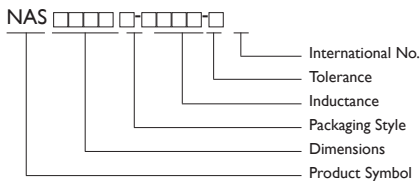
## FEATURES

Magetically shielded and low radiation  
 Very low DCR & better Q factor  
 Flat bottom for reliable surface mounting  
 Density design, small size, and low cost

## APPLICATIONS

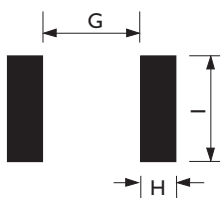
Mobile telephone.  
 Step-up or step-down converters.  
 Flash memory.

## PRODUCT IDENTIFICATION



## LAND PATTERNS PCB

Dimensions : mm



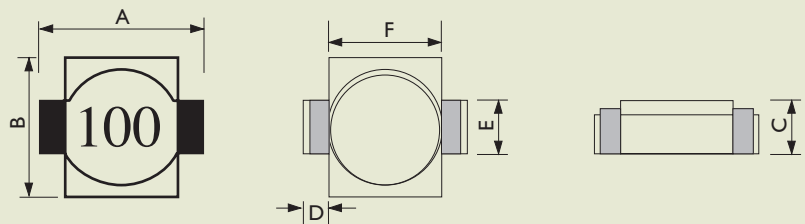
## ELECTRICAL CHARACTERISTICS : LEAD-FREE &amp; ROHS COMPLIANCE

TYPE	L( $\mu$ H) $\pm$ 20% <sup>1</sup>	Q MIN	DCR ( $\Omega$ ) max	SRF typ(MHz)	IDC (A) MAX. <sup>2</sup>
NAS0630T-1R0M-N	1.00	20 @200KHZ	0.042	250	3.00
NAS0630T-1R5M-N	1.50	30 @200KHZ	0.045	125	2.80
NAS0630T-2R2M-N	2.20	40 @200KHZ	0.050	120	1.80
NAS0630T-3R2M-N	3.30	40 @200KHZ	0.055	120	1.60
NAS0630T-4R7M-N	4.70	40 @200KHZ	0.060	105	1.40
NAS0630T-6R8M-N	6.80	40 @200KHZ	0.065	50	1.20
NAS0630T-100M-N	10.0	40 @200KHZ	0.075	38	1.00
NAS0630T-150M-N	15.0	40 @100KHZ	0.090	33	0.80
NAS0630T-220M-N	22.0	40 @100KHZ	0.110	25	0.70
NAS0630T-330M-N	33.0	40 @100KHZ	0.190	20	0.60
NAS0630T-470M-N	47.0	40 @100KHZ	0.230	20	0.50
NAS0630T-680M-N	68.0	40 @100KHZ	0.290	15	0.40
NAS0630T-101M-N	100	40 @100KHZ	0.480	10	0.30
NAS0630T-151M-N	150	40 @100KHZ	0.590	9	0.26
NAS0630T-221M-N	220	40 @100KHZ	0.770	6	0.22
NAS0630T-331M-N	330	40 @100KHZ	1.400	5	0.20
NAS0620T-471M-N	470	40 @100KHZ	1.800	4	0.19
NAS0630T-681M-N	680	40 @100KHZ	2.200	3	0.18
NAS0630T-102M-N	1000	40 @100KHZ	3.400	2	0.15
NAS0630T-152M-N	1500	50 @100KHZ	4.200	2	0.12
NAS0630T-222M-N	2200	50 @100KHZ	8.500	2	0.10
NAS0630T-332M-N	3300	50 @100KHZ	11.00	1	0.08
NAS0630T-472M-N	4700	50 @100KHZ	13.90	1	0.06
NAS0630T-682M-N	6800	50 @100KHZ	25.00	1	0.04
NAS0630T-103M-N	10000	50 @100KHZ	32.80	0.8	0.02

- Inductance tested at 0.1Vrms, 100KHZ..
- 30°C Temperature rise.
- Operating Temperature Range -40°C to 85°C
- Electrical specification at 25°C
- Inductance : M :  $\pm$ 20%

## SHAPE AND DIMENSIONS

Dimensions : mm



TYPE	A	B	C	D	E	F	G	H	I
NAS0630	6.50MAX	5.3 $\pm$ 0.3	3.0MAX	0.9	2.6	4.5	4.0	1.40	3.56