

**■ Features**

- Low profile construction and miniature size.
- Magnetic shielded construction.
- High current saturation.
- Operating temperature:-40°C ~ +125°C.
- RoHS compliant

**■ Applications**

- For small DC/DC converter(HDD,DVC,DSC,PDA,LCD display etc.).
- Car navigation systems,telecom base stations.
- VR,AR,LED lighting.

**■ Product Identification**



- (1) : Type
- (2) : Dimensions
- (3) : Inductance value
- (4) : Inductance Tolerance; N=±30%,M=±20%, K=±10%

**■ Shapes and Dimensions (Unit: mm)**



TYPE	A	B	C Max.	D	E Ref.	F Ref.	G Ref.
YNR6020	6.0±0.3	6.0±0.3	2.00	1.55±0.3	5.70	1.70	2.80

## ■ YNR6020 Series

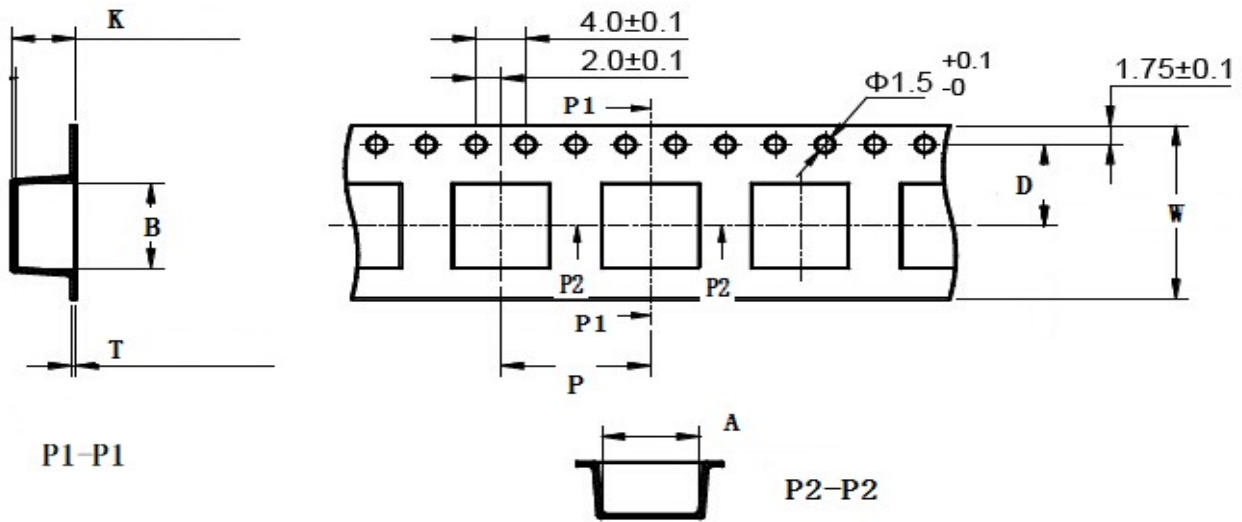
Part Number	Inductance (uH) @100KHz	DC Resistance ( $\Omega$ )		Heat Rating Current (A)	Saturation Current (A)
		Typ.	Max.		
YNR6020-R68□	0.68	0.017	0.022	3.80	6.55
YNR6020-R82□	0.82	0.017	0.022	3.80	5.30
YNR6020-1R0□	1.00	0.020	0.020	3.50	4.15
YNR6020-1R5□	1.50	0.022	0.029	3.20	4.25
YNR6020-1R8□	1.80	0.028	0.036	2.75	4.85
YNR6020-2R2□	2.20	0.028	0.036	2.75	3.75
YNR6020-2R7□	2.70	0.035	0.046	2.60	3.90
YNR6020-3R3□	3.30	0.035	0.046	2.60	3.15
YNR6020-3R9□	3.90	0.049	0.064	2.10	3.25
YNR6020-4R7□	4.70	0.058	0.075	2.00	3.00
YNR6020-5R6□	5.60	0.058	0.075	1.90	2.40
YNR6020-6R2□	6.20	0.079	0.103	1.80	2.30
YNR6020-6R8□	6.80	0.079	0.103	1.80	2.20
YNR6020-8R2□	8.20	0.105	0.137	1.40	2.10
YNR6020-100□	10.0	0.105	0.137	1.40	1.75
YNR6020-120□	12.0	0.120	0.156	1.30	1.45
YNR6020-150□	15.0	0.145	0.189	1.20	1.20
YNR6020-180□	18.0	0.180	0.234	1.08	1.20
YNR6020-220□	22.0	0.204	0.265	1.00	1.05
YNR6020-330□	33.0	0.300	0.390	0.84	0.95
YNR6020-470□	47.0	0.430	0.559	0.80	0.70
YNR6020-680□	68.0	0.630	0.820	0.75	0.50
YNR6020-101□	100	1.000	1.200	0.50	0.64

## ■ YNR6020 Series

Part Number	Inductance (uH) @100KHz	DC Resistance ( $\Omega$ )		Heat Rating Current (A)	Saturation Current (A)
		Typ.	Max.		
YNR6020-151□	150	1.600	2.080	0.45	0.50
YNR6020-221□	220	2.662	3.461	0.33	0.45
YNR6020-331□	330	2.630	3.419	0.33	0.27

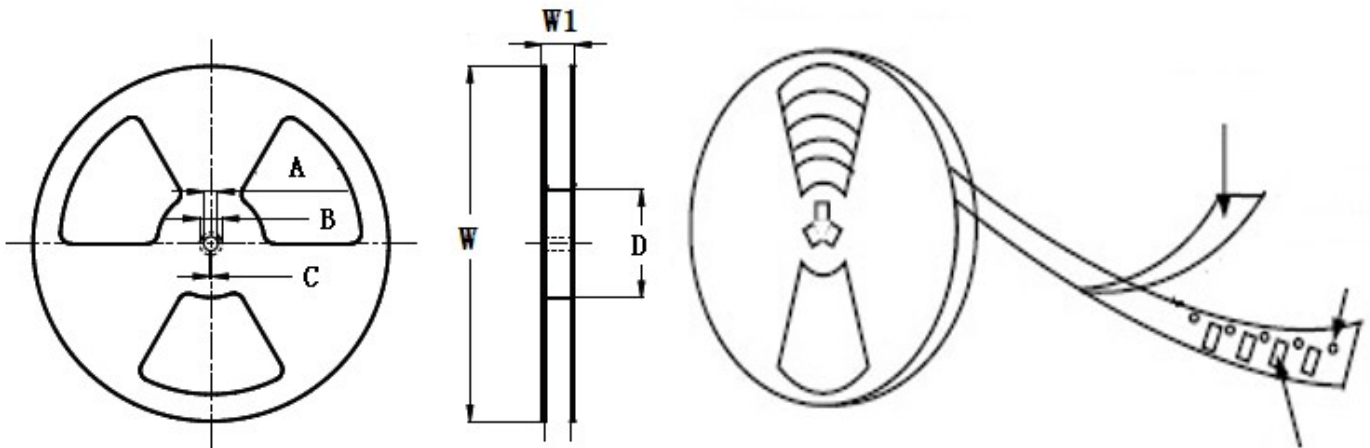
- ※ The saturation current value is the DC current value having inductance decrease down to 30%.(at 20°C)
- ※ The temperature rise current value is the DC current value having temperature increase up to 40°C. (at 20°C)
- ※ The rated current is the DC current value that satisfies both of current value saturation current value and temperature rise current value.

**■ Taping Dimensions(Unit:mm)**



TYPE	Chip Thickness	W	A	B	D	P	K Max	T Max	MPQ
YNR6020	2.00	16.0	6.30	6.30	7.50	8.00	2.50	0.40	2000

**■ Reel Dimensions(Unit:mm)**



TYPE	W	W1	A	B	C	D
YNR6020	330±2.0	16.5±1.50	13.0±0.50	21.0±0.80	2.0±0.50	100 Min

**Direction of rolling**



**Cover tape peel off condition**



Cover tape peel force shall be 0.1N to 1.3N.

Reference peel speed  $300 \pm 10$ mm/min.