

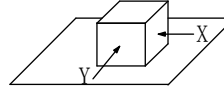
**Electrode strength:** No electrode detachment should be found when the device is pushed in two directions of X and Y with the force of 10.0N for 10±2 seconds after soldering between copper plate and the electrodes.

**Vibration test:** (Refer to figure at right) Inductance deviation is within ±10.0% after 1 hour sweeping vibration in each three directions, namely, forward and backward, up and down, right and left. The frequency is 10~55 ~10Hz and the amplitude of 1 minute cycle is 1.5mm PP.

**Storage Temperature range :** -40℃ ~ +125℃

**Operating temperature range:** -40℃ ~ +125℃ (Including coil's self temperature rise)

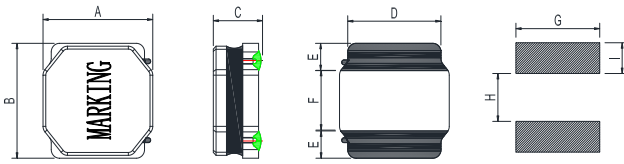
**External appearance:** No external defects can be found in the visual inspection.



### Electrical Specifications@25°C

Part Number	Inductance (uH)	Tolerance (±%)	DCR(mΩ) ±30%	Isat (A)	Irise (A)	Test Condition	Marking
NR4020S-R33N H	0.33	30	13	7.50	3.30	100KHz /0.25V	R33
NR4020S-R47N H	0.47	30	18	7.50	3.30	100KHz /0.25V	R47
NR4020S-R68N H	0.68	30	24	7.00	3.20	100KHz /0.25V	R68
NR4020S-1R0N H	1.0	30	28	5.10	2.15	100KHz /0.25V	1R0
NR4020S-1R2N H	1.2	30	29	4.70	2.10	100KHz /0.25V	1R2
NR4020S-1R5N H	1.5	30	35	4.45	1.98	100KHz /0.25V	1R5
NR4020S-1R8N H	1.8	30	45	4.00	1.90	100KHz /0.25V	1R8
NR4020S-2R2M H	2.2	20	45	3.40	1.85	100KHz /0.25V	2R2
NR4020S-2R7M H	2.7	20	53	3.30	1.60	100KHz /0.25V	2R7
NR4020S-3R3M H	3.3	20	70	3.20	1.40	100KHz /0.25V	3R3
NR4020S-4R7M H	4.7	20	80	2.35	1.34	100KHz /0.25V	4R7
NR4020S-5R6M H	5.6	20	95	2.20	1.22	100KHz /0.25V	5R6
NR4020S-6R8M H	6.8	20	125	2.00	1.04	100KHz /0.25V	6R8
NR4020S-8R2M H	8.2	20	150	1.75	1.00	100KHz /0.25V	8R2
NR4020S-100M H	10	20	165	1.60	0.90	100KHz /0.25V	100
NR4020S-120M H	12	20	175	1.50	0.88	100KHz /0.25V	120
NR4020S-150M H	15	20	230	1.35	0.77	100KHz /0.25V	150
NR4020S-220M H	22	20	350	1.05	0.62	100KHz /0.25V	220
NR4020S-270M H	27	20	476	1.05	0.56	100KHz /0.25V	270
NR4020S-330M H	33	20	500	0.85	0.49	100KHz /0.25V	330
NR4020S-470M H	47	20	710	0.74	0.44	100KHz /0.25V	470
NR4020S-560M H	56	20	800	0.68	0.40	100KHz /0.25V	560
NR4020S-680M H	68	20	1250	0.60	0.35	100KHz /0.25V	680
NR4020S-820M H	82	20	1200	0.50	0.34	100KHz /0.25V	820
NR4020S-101M H	100	20	1600	0.50	0.30	100KHz /0.25V	101
NR4020S-121M H	120	20	2250	0.46	0.28	100KHz /0.25V	121
NR4020S-151M H	150	20	2500	0.45	0.28	100KHz /0.25V	151
NR4020S-221M H	220	20	3400	0.40	0.28	100KHz /0.25V	221

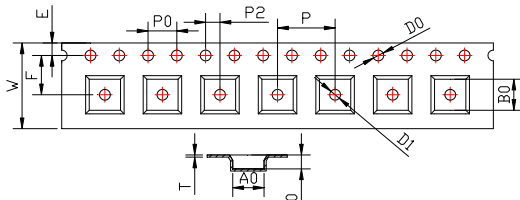
# MECHANICAL



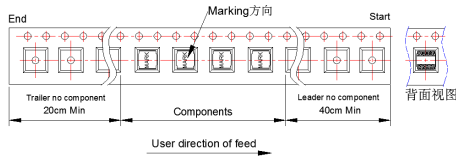
A	B	C	D	E	F	G	H	I
4.0 ± 0.2	4.0 ± 0.2	2.1Max	3.3 ± 0.2	1.0 ± 0.2	2.0 ± 0.3	3.7 Ref	1.9 Ref	1.1 Ref

Dimensions (mm)

# TAPING AND PACKING

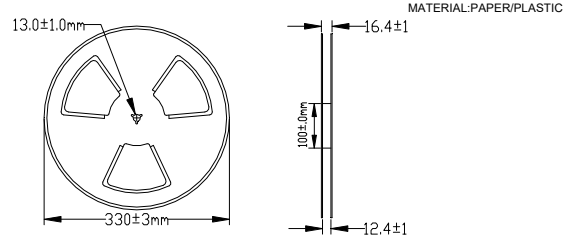
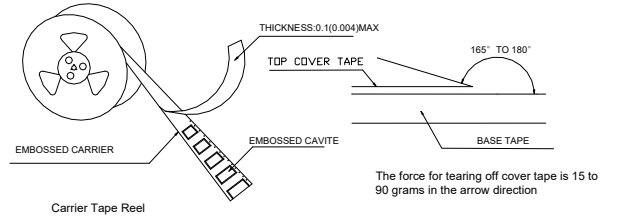
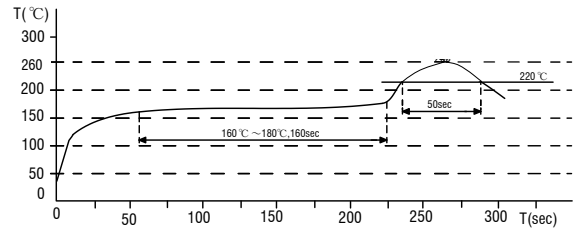


ITEM	W	AD	B0	K0	P	F	E	D0	D1	P0	P2	T
DIM	12.00	4.30	4.30	2.25	8.00	5.50	1.75	1.50	1.50	4.00	2.00	0.30
TOLE	+0.30 -0.10	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	+0.1	+0.1	±0.1	±0.1	±0.05



**Quantity (pcs):**  
 3000 PCS PER REEL  
 3 REELS PER CARTON  
 9000PCS PER CARTON

# RECOMMENDED REFLOW CONDITION:



Dimensions in mm