

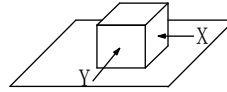
Electrode strength: No electrode detachment should be found when the device is pushed in two directions of X and Y with the force of 10.0N for 10 ± 2 seconds after soldering between copper plate and the electrodes.

Vibration test: (Refer to figure at right) Inductance deviation is within $\pm 10.0\%$ 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 : $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$

Operating temperature range: $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$ (Including coil's self temperature rise)

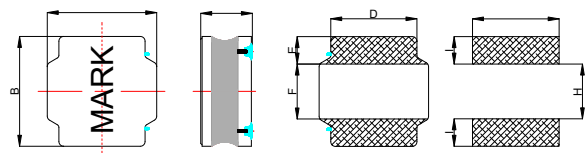
External appearance: No external defects can be found in the visual inspection.



Electrical Specifications @ 25°C

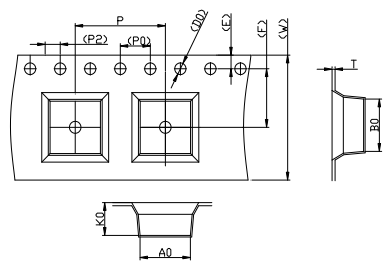
Part Number	Inductance (uH)	Tolerance (±%)	DCR(mΩ) ±30%	Isat(A) Max.	Irise(A) Max.	Test Condition	Marking
NR8040S-R56N H-CND	0.56	30	5	11.5	7.6	1MHz /0.25V	R56
NR8040S-1R0N H-CND	1.0	30	8	9.85	6.30	100KHz /0.25V	1R0
NR8040S-1R5N H-CND	1.5	30	10	8.15	5.65	100KHz /0.25V	1R5
NR8040S-2R2N H-CND	2.2	30	12	7.10	5.15	100KHz /0.25V	2R2
NR8040S-3R3N H-CND	3.3	30	17	6.50	4.40	100KHz /0.25V	3R3
NR8040S-3R6N H-CND	3.6	30	17	6.50	4.20	100KHz /0.25V	3R6
NR8040S-4R7N H-CND	4.7	30	20	5.90	4.00	100KHz /0.25V	4R7
NR8040S-5R6N H-CND	5.6	30	24	5.50	3.80	100KHz /0.25V	5R6
NR8040S-6R8M H-CND	6.8	20	28	4.55	3.60	100KHz /0.25V	6R8
NR8040S-8R2M H-CND	8.2	20	35	4.20	3.40	100KHz /0.25V	8R2
NR8040S-100M H-CND	10	20	37	3.60	3.10	100KHz /0.25V	100
NR8040S-120M H-CND	12	20	45	3.30	2.80	100KHz /0.25V	120
NR8040S-150M H-CND	15	20	56	2.95	2.50	100KHz /0.25V	150
NR8040S-180M H-CND	18	20	58	2.70	2.40	100KHz /0.25V	180
NR8040S-220M H-CND	22	20	74	2.40	2.00	100KHz /0.25V	220
NR8040S-270M H-CND	27	20	80	2.15	1.90	100KHz /0.25V	270
NR8040S-330M H-CND	33	20	100	2.05	1.70	100KHz /0.25V	330
NR8040S-470M H-CND	47	20	158	1.75	1.50	100KHz /0.25V	470
NR8040S-560M H-CND	56	20	160	1.55	1.40	100KHz /0.25V	560
NR8040S-680M H-CND	68	20	196	1.45	1.20	100KHz /0.25V	680
NR8040S-820M H-CND	82	20	245	1.30	1.10	100KHz /0.25V	820
NR8040S-101M H-CND	100	20	295	1.15	1.00	100KHz /0.25V	101
NR8040S-121M H-CND	120	20	380	1.10	0.90	100KHz /0.25V	121
NR8040S-151M H-CND	150	20	470	1.10	0.80	100KHz /0.25V	151
NR8040S-171M H-CND	170	20	538	0.95	0.75	100KHz /0.25V	171
NR8040S-181M H-CND	180	20	610	0.90	0.75	100KHz /0.25V	181
NR8040S-221M H-CND	220	20	660	0.85	0.70	100KHz /0.25V	221
NR8040S-331M H-CND	330	20	970	0.68	0.55	100KHz /0.25V	331
NR8040S-471M H-CND	470	20	1400	0.60	0.48	100KHz /0.25V	471
NR8040S-681M H-CND	680	20	1750	0.50	0.45	100KHz /0.25V	681

MECHANICAL

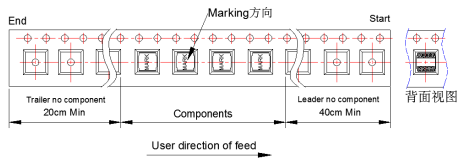


A	B	C	D	E	F	G	H	I
8.0 ± 0.3	8.0 ± 0.3	4.2Max	6.3 ± 0.3	2.0 ± 0.3	4.0 ± 0.3	7.5Ref	3.8 Ref	2.2 Ref

Dimensions (mm)

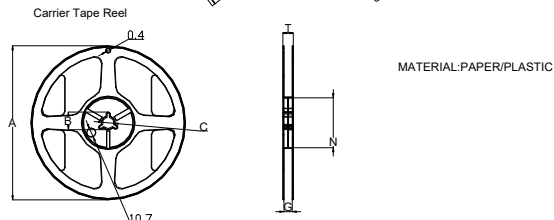
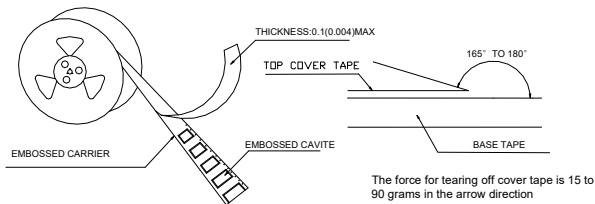
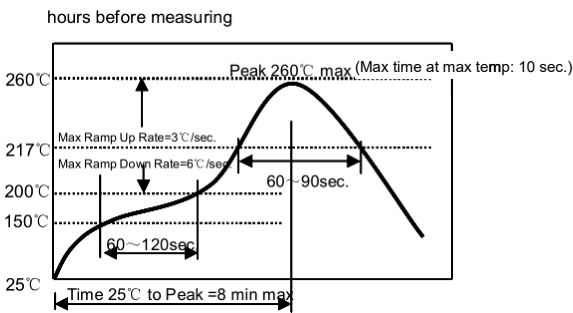


ITEM	W	A0	B0	D0	P	F	E	D0	D1	P0	P2	T
DIM	16.00	8.40	8.40	4.2	12.00	7.50	1.75	1.50	1.50	4.00	2.00	0.35
TOLE	±0.3	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	+0.1	+0.1	±0.1	±0.1	±0.05



Quantity (pcs):
1000 PCS PER REEL
3REELS PER CARTON
3000PCS PER CARTON

RECOMMENDED REFLOW CONDITION:



Type	A	B	C	G	N	T
12mm	330	21 ± 0.8	13 ± 0.4	12.4	100	20.4