

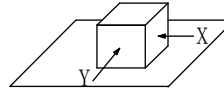
Electrode strength: No electrode detachment should be found when the device is pushed in two directions of X and Y with the force of 10.0N for 10±2 seconds after soldering between copper plate and the electrodes.

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)

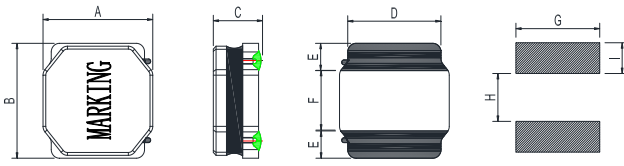
External appearance: No external defects can be found in the visual inspection.



Electrical Specifications@25℃

Part Number	Inductance (uH)	Tolerance (±%)	DCR(mΩ) ±30%	Isat (A)	Irise (A)	Test Condition	Marking
NR5040S-R24N H	0.24	30	7.5	12.0	6.50	1MHz /0.25V	R24
NR5040S-R47N H	0.47	30	10	8.80	6.00	1MHz /0.25V	R47
NR5040S-1R0N/M H	1.0	30/20	13	7.35	4.90	100KHz /0.25V	1R0
NR5040S-1R5N H	1.5	30	15	6.30	4.30	100KHz /0.25V	1R5
NR5040S-1R8N H	1.8	30	18	6.10	3.90	100KHz /0.25V	1R8
NR5040S-2R2N H	2.2	30	19	4.90	3.80	100KHz /0.25V	2R2
NR5040S-2R7N H	2.7	30	22	4.30	3.60	100KHz /0.25V	2R7
NR5040S-3R3N H	3.3	30	24	3.95	3.40	100KHz /0.25V	3R3
NR5040S-3R9N H	3.9	30	27	3.55	3.20	100KHz /0.25V	3R9
NR5040S-4R7M H	4.7	20	30	3.50	3.00	100KHz /0.25V	4R7
NR5040S-5R6M H	5.6	20	33	3.20	2.80	100KHz /0.25V	5R6
NR5040S-6R8M H	6.8	20	43	2.90	2.50	100KHz /0.25V	6R8
NR5040S-8R2M H	8.2	20	55	3.00	2.30	100KHz /0.25V	8R2
NR5040S-100M H	10	20	64	2.35	2.10	100KHz /0.25V	100
NR5040S-150M H	15	20	86	2.00	2.00	100KHz /0.25V	150
NR5040S-220M H	22	20	129	1.60	1.50	100KHz /0.25V	220
NR5040S-270M H	27	20	165	1.50	1.30	100KHz /0.25V	270
NR5040S-330M H	33	20	188	1.30	1.20	100KHz /0.25V	330
NR5040S-390M H	39	20	225	1.20	1.10	100KHz /0.25V	390
NR5040S-470M H	47	20	270	1.10	1.00	100KHz /0.25V	470
NR5040S-560M H	56	20	375	1.00	0.90	100KHz /0.25V	560
NR5040S-680M H	68	20	400	0.90	0.80	100KHz /0.25V	680
NR5040S-101M H	100	20	560	0.75	0.70	100KHz /0.25V	101
NR5040S-221M H	220	20	1200	0.45	0.40	100KHz/0.25V	221
NR5040S-331M H	330	20	2100	0.45	0.40	100KHz/0.25V	331
NR5040S-471M H	470	20	2800	0.40	0.30	100KHz /0.25V	471
NR5040S-102M H	1000	20	6600	0.25	0.20	100KHz /0.25V	102

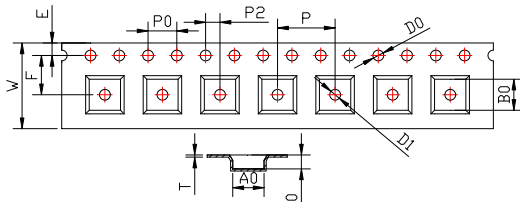
MECHANICAL



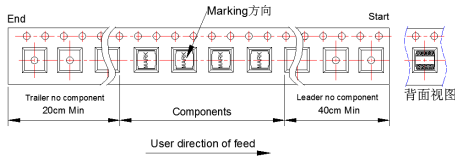
A	B	C	D	E	F	G	H	I
5.0 ± 0.2	5.0 ± 0.2	4.0Max	4.0 ± 0.2	1.25 ± 0.2	2.5 ± 0.3	4.2 Ref	2.3Ref	1.4 Ref

Dimensions (mm)

TAPING AND PACKING

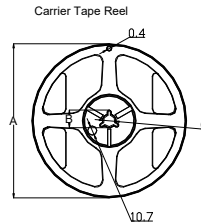
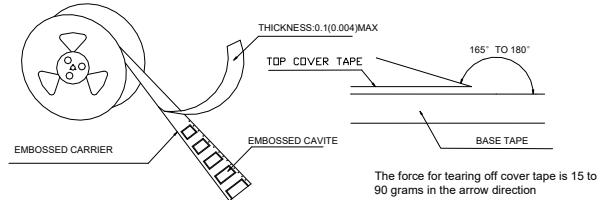
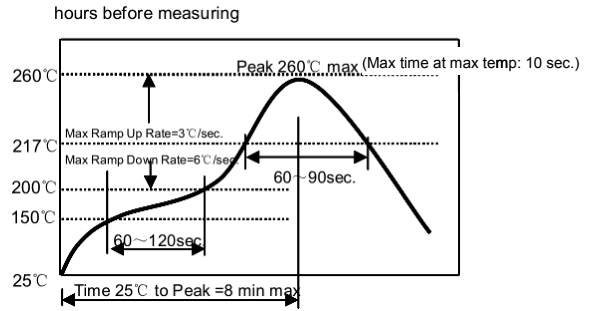


ITEM	W	A0	B0	K0	P	F	E	D0	D1	P0	P2	T
DIM	12.00	5.30	5.30	4.30	8.00	5.50	1.75	1.50	1.50	4.00	2.00	0.40
TOLE	+0.30 -0.10	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	+0.1	+0.1	±0.1	±0.1	±0.05



Quantity (pcs):
1500 PCS PER REEL
3 REELS PER CARTON
4500PCS PER CARTON

RECOMMENDED REFLOW CONDITION:



MATERIAL: PAPER/PLASTIC

Type	A	B	C	G	N	T
12mm	330	21 ± 0.8	13 ± 0.4	12.4	100	16.4