

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.

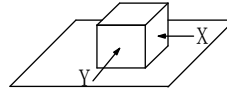


Vibration test: (Refer to figure at right) Inductance deviation is within $\pm 10.0\%$ after 1 hour sweeping vibration in each three directions, namely, forward and backward, up and down, right and left. The frequency is 10 ~ 55 ~ 10Hz and the amplitude of 1 minute cycle is 1.5mm PP.

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)

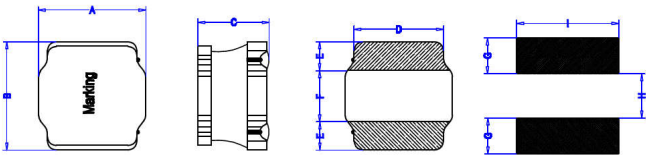
External appearance: No external defects can be found in the visual inspection.



Electrical Specifications @ 25°C

Part Number	Inductance (μH)	Tolerance ($\pm\%$)	DCR($\text{m}\Omega$) $\pm 30\%$	Isat (A)	Irise (A)	Test Condition	MARKING
NR6045S-R56N H	0.56	30	7.5	14.5	6.20	1MH / 0.25V	R56
NR6045S-1R0N/M H	1.0	30,20	10	9.00	5.10	100KHz / 0.25V	1R0
NR6045S-1R2N H	1.2	30	12	8.10	4.75	100KHz / 0.25V	1R2
NR6045S-1R5N/M H	1.5	30,20	12	7.50	4.75	100KHz / 0.25V	1R5
NR6045S-1R8N H	1.8	30	13	7.50	4.60	100KHz / 0.25V	1R8
NR6045S-2R2N/M H	2.2	30,20	14	6.50	4.60	100KHz / 0.25V	2R2
NR6045S-3R3N/M H	3.3	30,20	20	5.30	3.20	100KHz / 0.25V	3R3
NR6045S-3R9N H	3.9	30	20	4.90	3.20	100KHz / 0.25V	3R9
NR6045S-4R7N/M H	4.7	30,20	24	4.50	3.00	100KHz / 0.25V	4R7
NR6045S-5R6N H	5.6	30	31	3.70	2.80	100KHz / 0.25V	5R6
NR6045S-6R8M H	6.8	20	33	3.30	2.70	100KHz / 0.25V	6R8
NR6045S-8R2M H	8.2	20	45	3.20	2.60	100KHz / 0.25V	8R2
NR6045S-100M H	10	20	52	3.00	2.50	100KHz / 0.25V	100
NR6045S-120M H	12	20	58	2.80	2.20	100KHz / 0.25V	120
NR6045S-150M H	15	20	77	2.50	1.90	100KHz / 0.25V	150
NR6045S-180M H	18	20	95	2.20	1.75	100KHz / 0.25V	180
NR6045S-220M H	22	20	115	2.00	1.50	100KHz / 0.25V	220
NR6045S-270M H	27	20	120	1.90	1.48	100KHz / 0.25V	270
NR6045S-330M H	33	20	150	1.60	1.45	100KHz / 0.25V	330
NR6045S-390M H	39	20	180	1.50	1.25	100KHz / 0.25V	390
NR6045S-470M H	47	20	220	1.40	1.20	100KHz / 0.25V	470
NR6045S-560M H	56	20	260	1.30	1.10	100KHz / 0.25V	560
NR6045S-680M H	68	20	290	1.20	0.90	100KHz / 0.25V	680
NR6045S-820M H	82	20	355	1.10	0.85	100KHz / 0.25V	820
NR6045S-101M H	100	20	430	1.00	0.80	100KHz / 0.25V	101
NR6045S-121M H	120	20	530	0.85	0.75	100KHz / 0.25V	121
NR6045S-151M H	150	20	760	0.80	0.70	100KHz / 0.25V	151
NR6045S-181M H	180	20	845	0.75	0.65	100KHz / 0.25V	181
NR6045S-221M H	220	20	890	0.63	0.55	100KHz / 0.25V	221

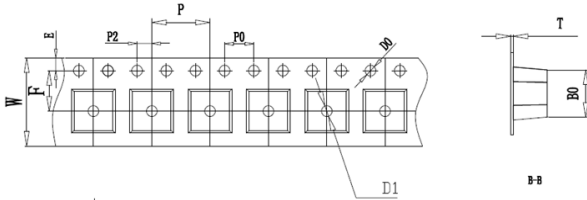
MECHANICAL



A	B	C	D	E	F	G	H	I
6.0 ± 0.3	6.0 ± 0.3	4.5Max	4.9±0.2	1.65±0.2	2.7±0.3	1.7 Ref	2.8Ref	5.7 Ref

Dimensions (mm)

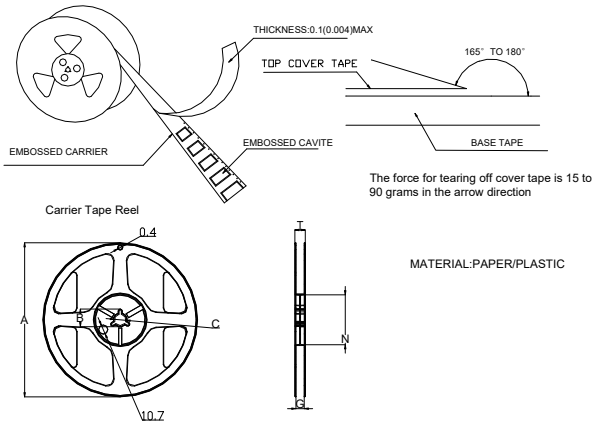
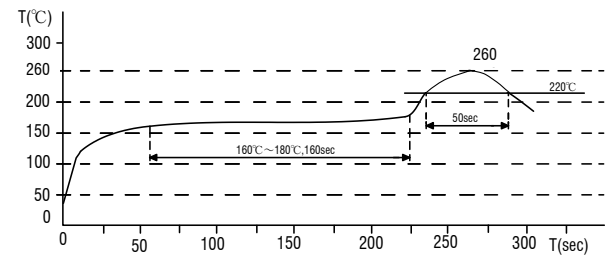
TAPING AND PACKING



ITEM	W	A0	B0	K	P1	F	E	D0/D1	P0	P2	T
DIM	12.00	6.3	6.3	4.7	8.00	5.50	1.75	1.50	4.00	2.00	0.40
TOLE	±0.3	±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:



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