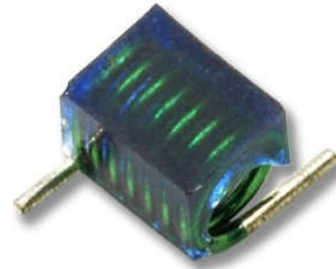


Features:

- ◆RoHS Compliant
- ◆High Performance,Low Cost
- ◆Miniature Scale ,Maximum Q
- ◆Suitable for High frequency applications
- ◆Easy Bonding and low sensitivity against humidity

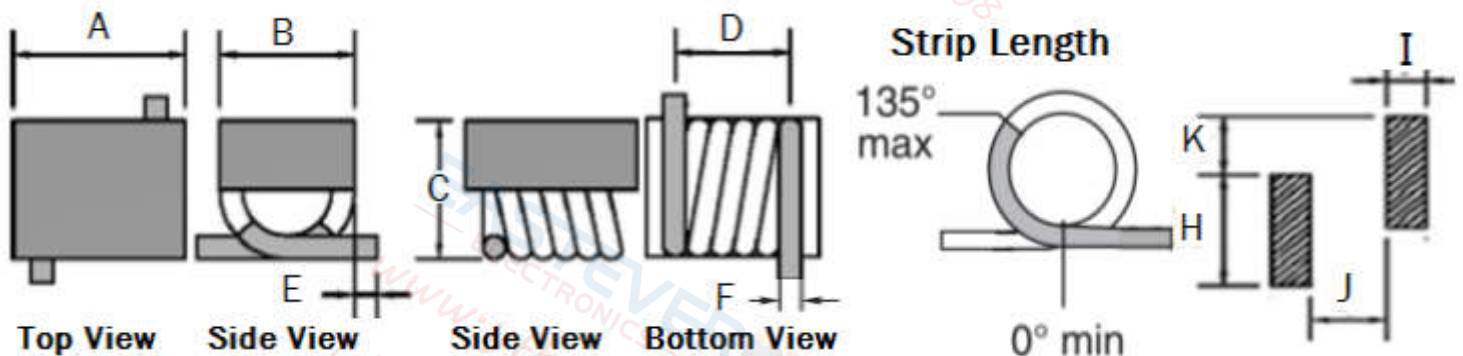


Applications:

- ◆Power amplifier,antenna module,voltage controlled oscillator,and the mobile phone, such as GSM,CDMA and PDC.
- ◆Digital TV tuner,wireless LAN and Bluetooth equipment etc.

Dimension Diagram:

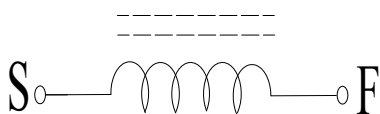
Recommended Land Pattern:



A=3.20±0.20 B=2.60±0.20 C=2.60±0.20 D=2.70±0.20 E=1.00±0.20

F=0.50±0.03 H=3.30±0.10 I=1.20±0.10 J=1.65±0.10 K=2.60±0.10

Electrical Structure :



Electrical Requirements:

Inductance : 5.0nH±10%@150MHz

IDC : 4.0A Max

DCR : 2.0mΩ Max

SRF : 6.5GHz Min

Q : 120.0 Min@150MHz

Operating temperature range: -40°C to +125°C

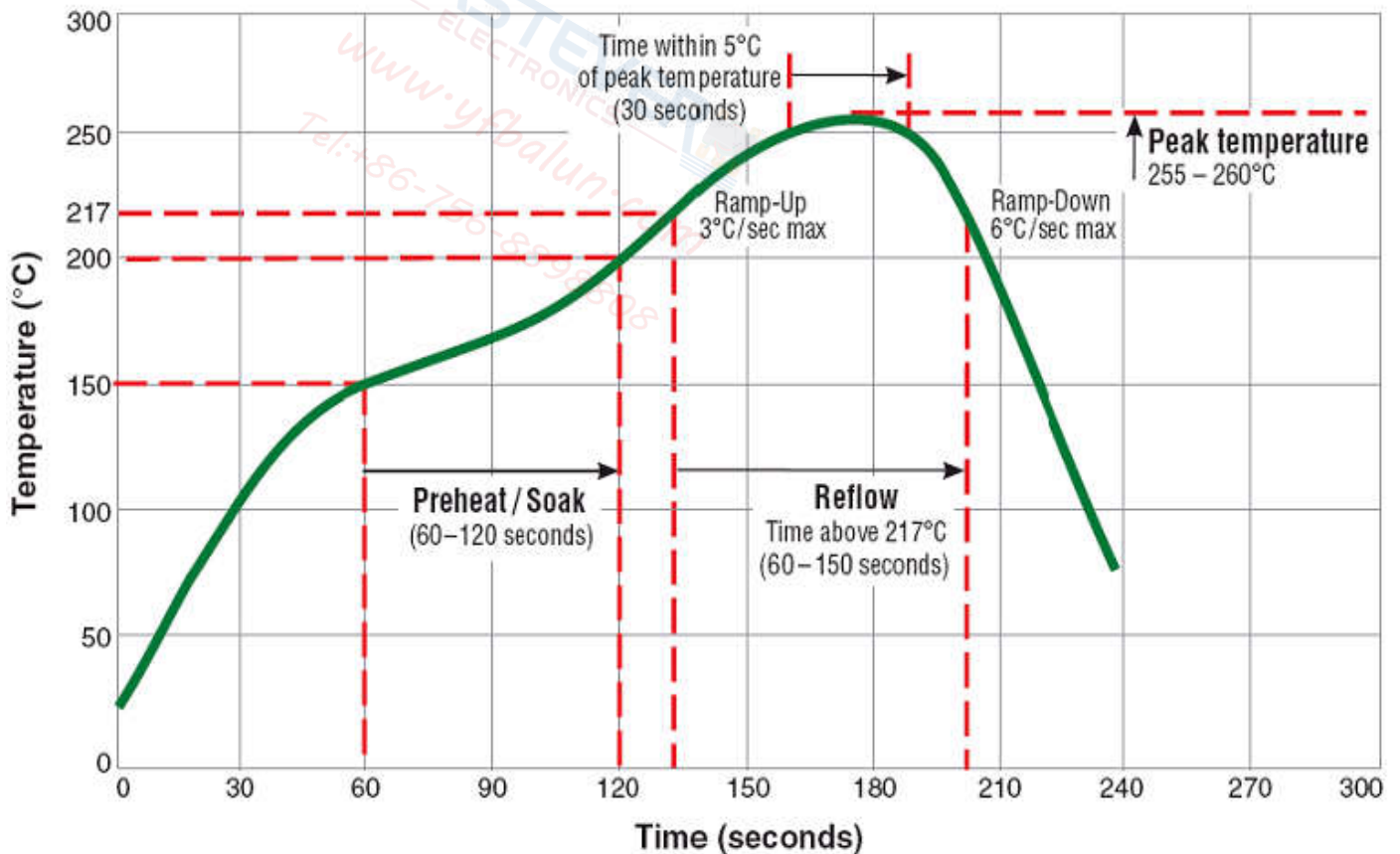
Storage temperature range: -40°C to +65°C

SAMPLE INSPECTION REPORT:

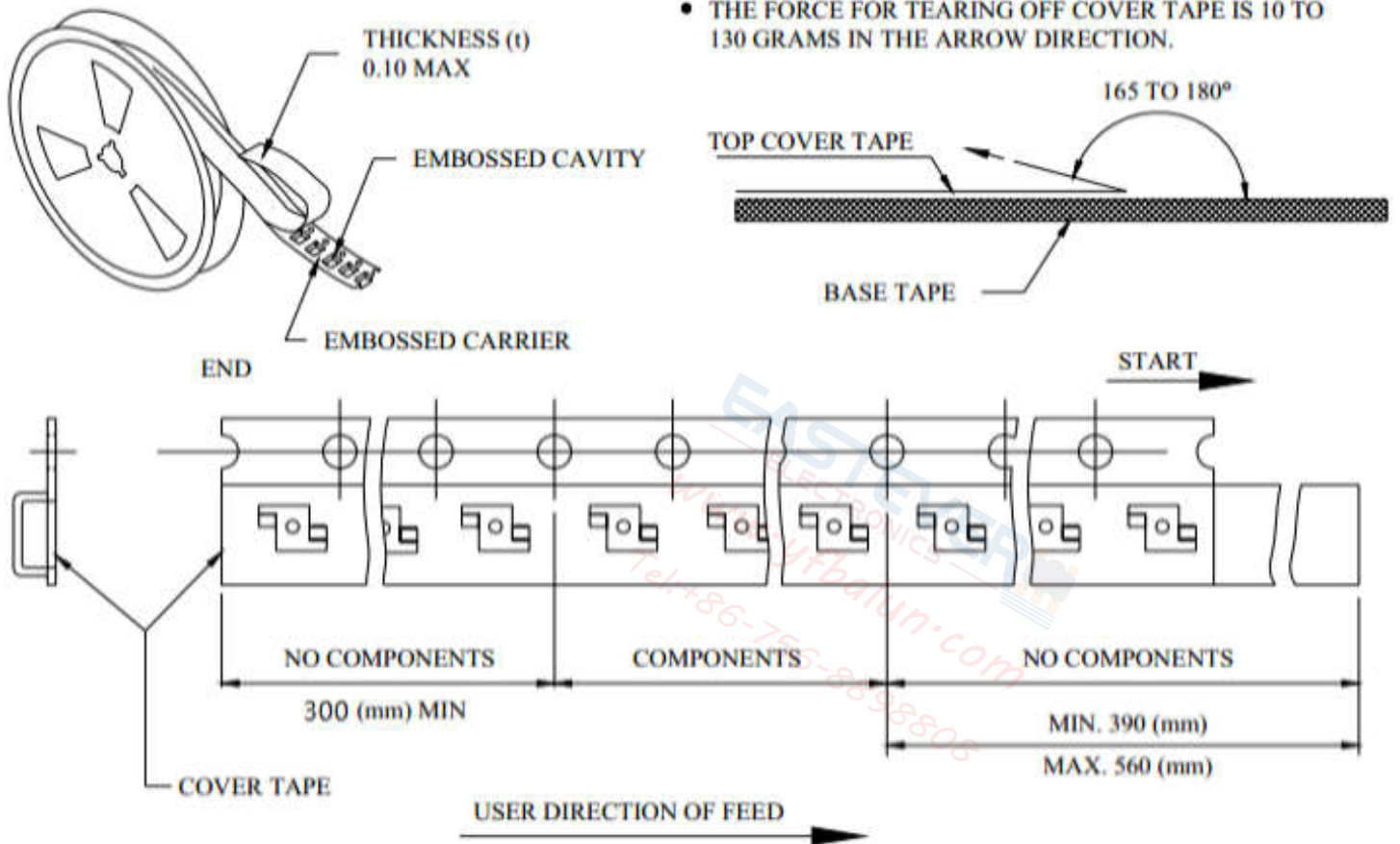
ITEM	L	Q	DCR	A	B	C	D	E	F
SPEC	5.0nH±10%	120.0	2.0mΩ	3.2±0.2	2.6±0.2	2.6±0.2	2.7±0.2	1.0±0.2	0.50±0.03
MIN	4.5	120.0		3.00	2.40	2.40	2.50	0.80	0.47
MAX	5.5		2.00	3.40	2.80	2.80	2.90	1.20	0.53
1	4.82	142.5	1.20	3.22	2.65	2.68	2.71	1.00	0.50
2	4.83	143.5	1.28	3.20	2.64	2.67	2.70	1.05	0.51
3	4.80	142.2	1.18	3.18	2.67	2.67	2.65	1.04	0.49
4	4.85	145.0	1.27	3.19	2.65	2.66	2.72	1.04	0.50
5	4.90	144.0	1.27	3.21	2.62	2.66	2.69	1.02	0.50
6	4.88	146.0	1.26	3.24	2.68	2.68	2.71	1.05	0.49
7	4.92	143.0	1.25	3.18	2.61	2.63	2.68	1.03	0.51
8	4.90	142.0	1.24	3.20	2.67	2.70	2.72	1.05	0.50
9	4.91	141.0	1.24	3.21	2.63	2.66	2.73	1.01	0.50
10	4.88	143.0	1.26	3.19	2.63	2.67	2.69	1.02	0.49
\bar{X}	4.869	143.020	1.245	3.202	2.645	2.668	2.700	1.031	0.499
R	0.120	5.000	0.090	0.060	0.070	0.100	0.080	0.050	0.020
JUD	OK	OK	OK	OK	OK	OK	OK	OK	OK

RECOMMENDED REFLOW PROFILE GRAPH:

Typical RoHS Reflow Profile

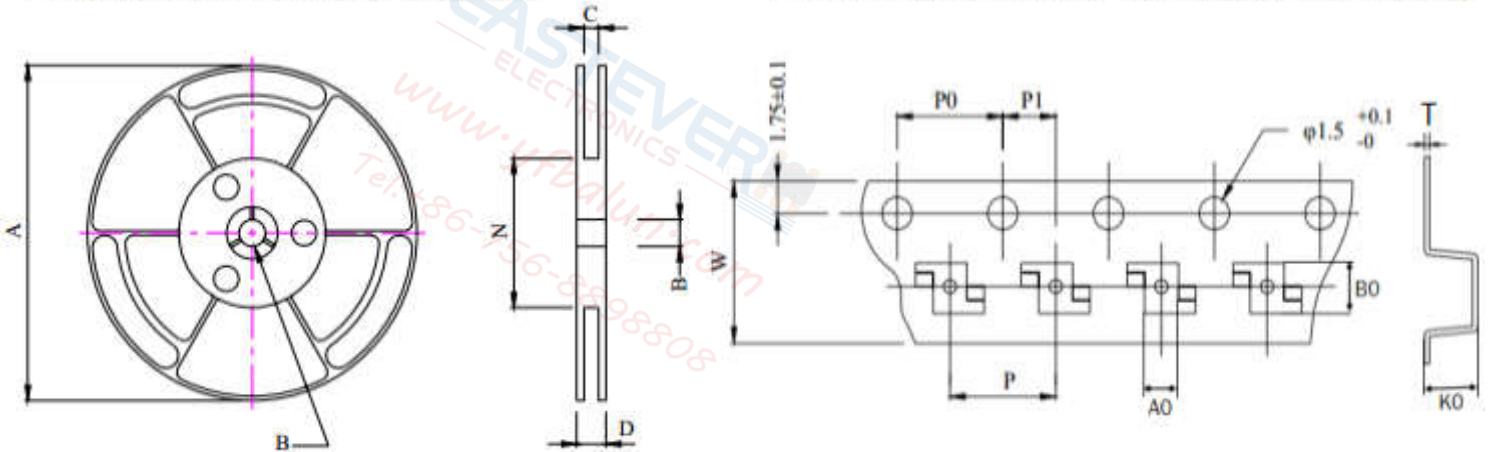


Packing Dimension For Caeier Tape:



■ CARRIER TAPE REELS (mm)

■ DIMENSIONS OF CARRIER TAPE (mm)



A	B	C	D	N	W	P	P0	P1	T	A0	B0	K0
340	13.0	12.4	18.4	100	12.0	12.0	8.0	2.0	0.5	3.0	4.0	3.0
Max	±0.5	±0.5	±0.5	Ref	±0.3	±0.1	±0.1	±0.1	±0.1	±0.2	±0.2	±0.2

