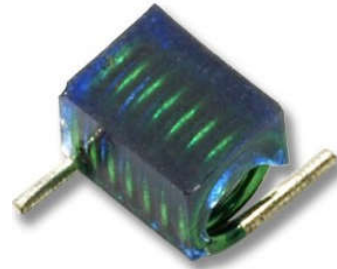


Features:

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

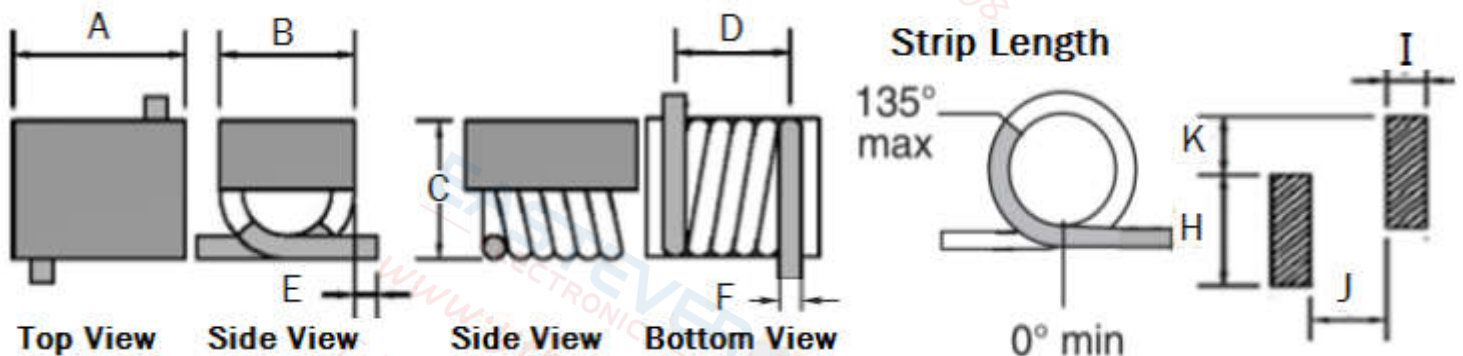


Applications:

- ◆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:

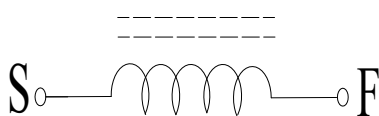
Recommended Land Pattern:



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:

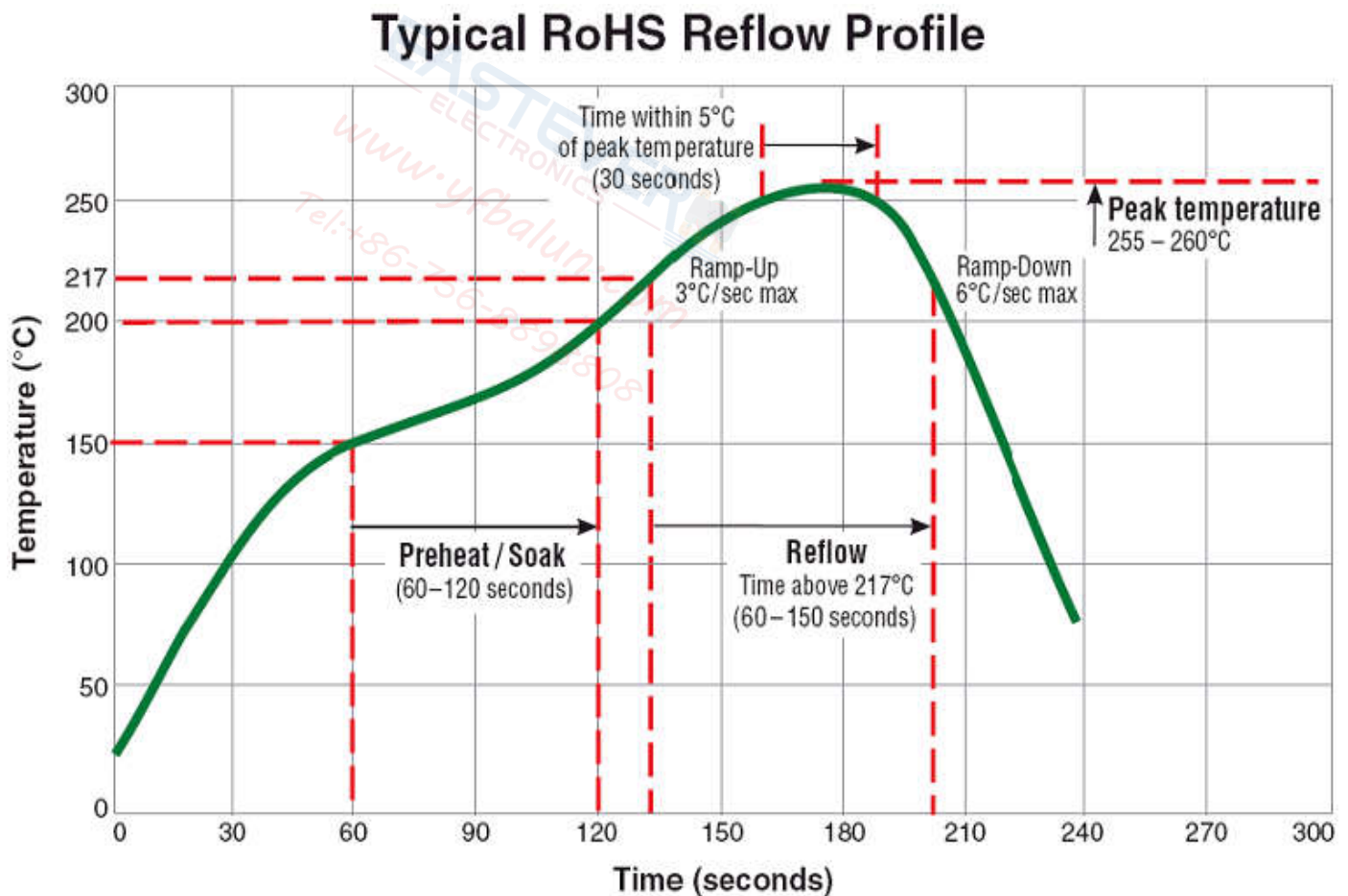


- Inductance : 8.0nH±5%@150MHz
- IDC : 4.0A Max
- DCR : 2.6mΩ Max
- SRF : 5.0GHz Min
- Q : 120.0 Min@150MHz
- Operating temperature range: -40°C to +125°C
- Storage temperature range: -40°C to +65°C

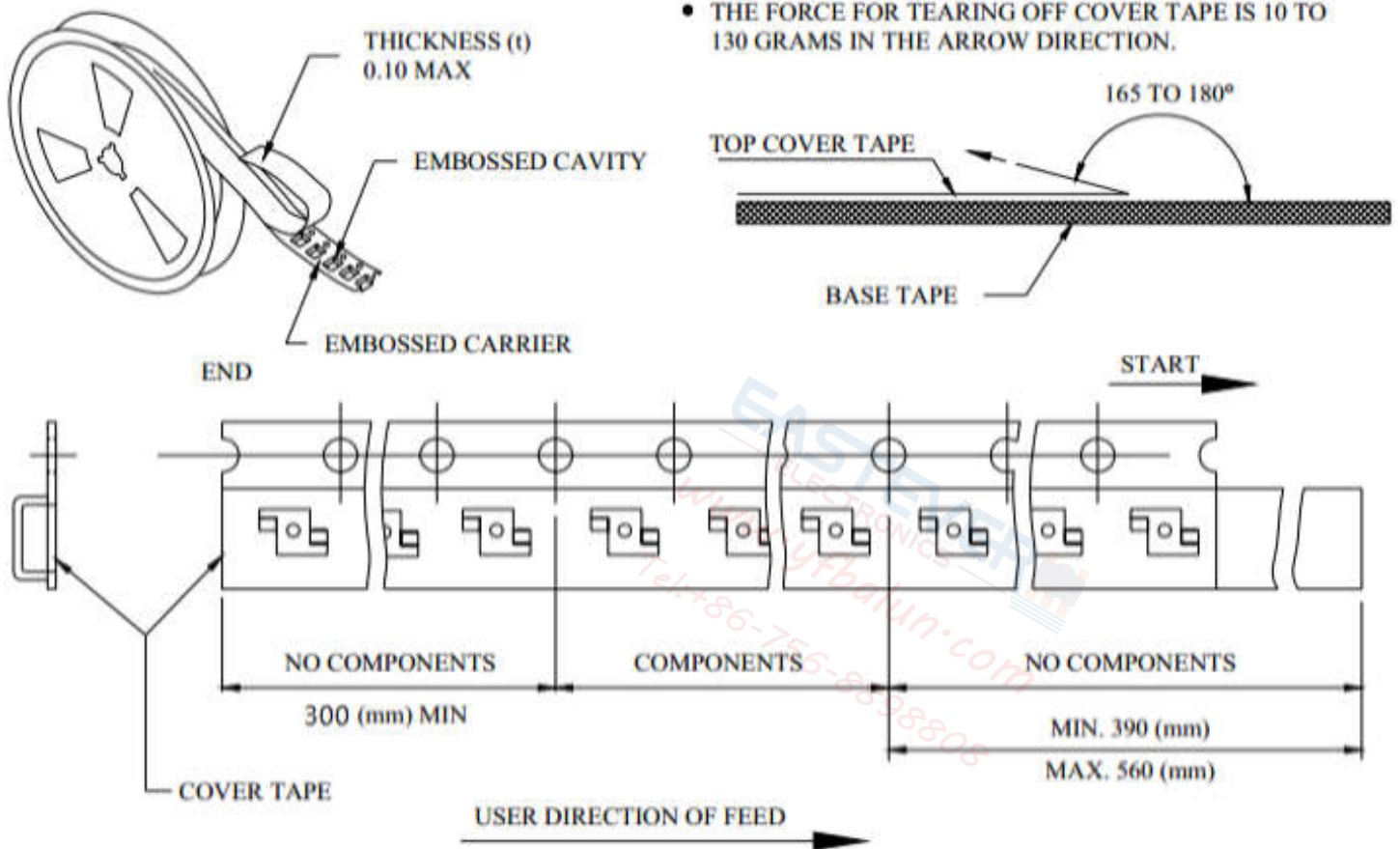
SAMPLE INSPECTION REPORT:

ITEM	L	Q	DCR	A	B	C	D	E	F
SPEC	8.0nH±5%	120.0	2.6mΩ	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	7.6	120.0		3.00	2.40	2.40	2.50	0.80	0.47
MAX	8.4		2.60	3.40	2.80	2.80	2.90	1.20	0.53
1	8.10	141.5	1.90	3.22	2.68	2.70	2.71	1.01	0.51
2	8.12	142.5	1.88	3.20	2.67	2.68	2.70	1.02	0.51
3	8.08	142.2	1.88	3.18	2.67	2.67	2.73	1.04	0.49
4	8.03	143.0	1.87	3.19	2.65	2.66	2.72	1.04	0.51
5	8.15	144.0	1.87	3.21	2.66	2.66	2.72	1.02	0.50
6	8.12	144.0	1.86	3.24	2.68	2.68	2.71	1.05	0.49
7	8.13	143.0	1.85	3.18	2.66	2.69	2.73	1.03	0.51
8	8.09	142.0	1.84	3.20	2.67	2.70	2.72	1.05	0.51
9	8.11	141.0	1.84	3.21	2.66	2.72	2.73	1.01	0.50
10	8.12	143.0	1.86	3.19	2.66	2.70	2.71	1.02	0.49
\bar{X}	8.105	142.577	1.865	3.202	2.666	2.686	2.718	1.029	0.502
R	0.120	3.000	0.060	0.060	0.030	0.040	0.030	0.040	0.020
JUD	OK	OK	OK	OK	OK	OK	OK	OK	OK

RECOMMENDED REFLOW PROFILE GRAPH:

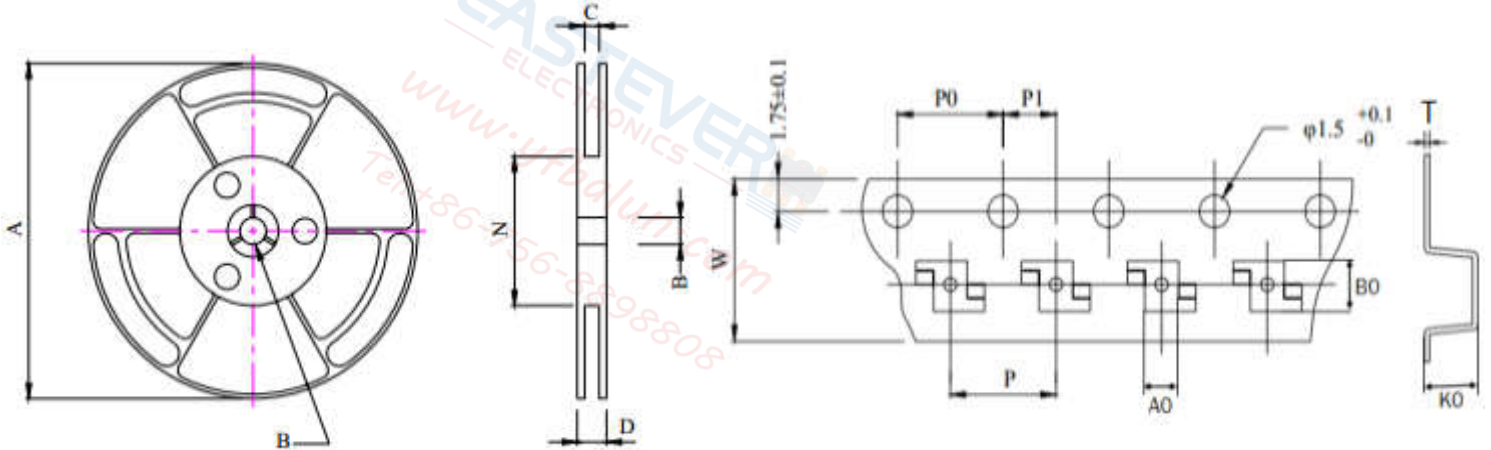


Packaging Dimension For Carrier Tape:



■ 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

