



PRODUCT IDENTIFICATION

JWI	0603	HQ	-	10N	G
Type	Size			Inductance	Tol.

High Q-Value

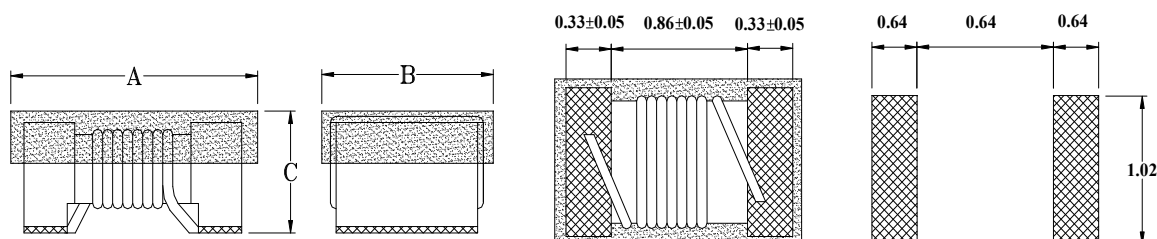
- ※ This is a Rohs and REACH compliant product whose related documents are available on request.
- ※ Graphic is only for dimensionally application.

SCOPE

This Specification applies to wire wound chip inductors.

DIMENSIONS (mm)

Part No.	Size (mm)		
	A	B	C
JWI 0603HQ	1.70 ± 0.1	1.02 ± 0.1	0.90 ± 0.1



Recommended Pattern

RATING TEMPERATURE

OPERATING TEMPERATURE : -25°C ~ + 125°C

MARKING

IDENTIFIER



COLOR CODE

Example : JWJ 0603HQ-10NG

MARKING : Orange

To mark color dots according to the table of electrical specification.

■ STRUCTURE



■ MATERIAL LIST

ITEM	MATERIAL CATEGORY	MATERIAL TYPE	UL NO.
1	WIRE	POLYSOL	E143312
2	CORE	CERAMIC CORE	
3	EPOXY	UV TYPE	
4	TERMINAL PLATING	Ag Pb+Ni+Sn	

■ SERIES LIST

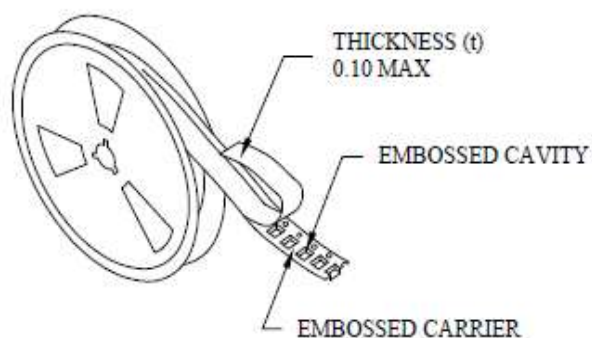
No.	Part No.	L (nH)	Test Freq. (MHz)	Tol.	Q TYP.	Test Freq. (MHz)	SRF (GHz) MIN	RDC (Ω) MAX	Irms (mA)	COLOR CODE
1	JWI 0603HQ-1N8□	1.8	250	J	23	250	16.0	0.033	2100	Black
2	JWI 0603HQ-2N2□	2.2	250	J	13	250	15.0	0.180	900	Yellow
3	JWI 0603HQ-3N3□	3.3	250	J	32	250	9.6	0.024	1900	Blue
4	JWI 0603HQ-3N6□	3.6	250	J,G	40	250	9.7	0.031	1900	Red
5	JWI 0603HQ-3N9□	3.9	250	J,G	35	250	7.5	0.039	1600	Brown
6	JWI 0603HQ-4N3□	4.3	250	J,G	30	250	7.5	0.080	1300	Orange
7	JWI 0603HQ-4N7□	4.7	250	J,G	26	250	7.9	0.100	1100	Violet
8	JWI 0603HQ-5N6□	5.6	250	J,G	48	250	6.6	0.036	1700	Black
9	JWI 0603HQ-6N0□	6.0	250	J,G	49	250	6.0	0.036	1700	White
10	JWI 0603HQ-6N8□	6.8	250	J,G	42	250	5.8	0.042	1400	Red
11	JWI 0603HQ-7N2□	7.2	250	J,G	48	250	5.4	0.052	1400	White
12	JWI 0603HQ-7N5□	7.5	250	J,G	41	250	5.3	0.080	1300	Brown
13	JWI 0603HQ-8N2□	8.2	250	J,G	46	250	5.9	0.054	1400	Orange
14	JWI 0603HQ-8N7□	8.7	250	J,G	46	250	5.5	0.054	1400	Yellow
15	JWI 0603HQ-9N1□	9.1	250	J,G	40	250	5.1	0.037	1400	Black
16	JWI 0603HQ-9N5□	9.5	250	J,G	49	250	4.9	0.053	1400	Blue
17	JWI 0603HQ-10N□	10	250	J,G	49	250	4.3	0.048	1400	Orange
18	JWI 0603HQ-11N□	11	250	J,G	41	250	4.10	0.042	1400	Gray
19	JWI 0603HQ-12N□	12	250	J,G	37	250	4.10	0.088	1100	Yellow
20	JWI 0603HQ-15N□	15	250	J,G	48	250	3.60	0.078	1200	Green
21	JWI 0603HQ-16N□	16	250	J,G	45	250	3.50	0.085	1100	White
22	JWI 0603HQ-18N□	18	250	J,G	41	250	3.30	0.066	1200	Blue
23	JWI 0603HQ-22N□	22	250	J,G	44	250	3.15	0.140	850	Violet
24	JWI 0603HQ-23N□	23	250	J,G	40	250	3.00	0.150	850	Orange
25	JWI 0603HQ-24N□	24	250	J,G	42	250	2.95	0.074	1100	Black
26	JWI 0603HQ-27N□	27	250	J,G	44	250	2.80	0.150	780	Gray

No.	Part No.	L (nH)	Test Freq. (MHz)	Tol.	Q TYP.	Test Freq. (MHz)	SRF (GHz) MIN	RDC (mΩ) MAX	Irms (mA)	COLOR CODE
27	JWI 0603HQ-30N□	30	250	J,G	49	250	2.80	0.130	920	Brown
28	JWI 0603HQ-33N□	33	250	J,G	45	250	2.70	0.170	680	White
29	JWI 0603HQ-36N□	36	250	J,G	44	250	2.50	0.225	720	Red
30	JWI 0603HQ-39N□	39	250	J,G	48	250	2.45	0.190	680	Black
31	JWI 0603HQ-43N□	43	250	J,G	45	250	2.45	0.170	810	Orange
32	JWI 0603HQ-47N□	47	200	J,G	47	250	2.30	0.240	680	Brown
33	JWI 0603HQ-51N□	51	200	J,G	49	250	2.30	0.280	660	Blue
34	JWI 0603HQ-56N□	56	200	J,G	50	250	2.20	0.300	610	Red
35	JWI 0603HQ-68N□	68	200	J,G	46	250	2.00	0.330	600	Black
36	JWI 0603HQ-72N□	72	150	J,G	46	250	1.90	0.420	550	Yellow
37	JWI 0603HQ-75N□	75	150	J,G	46	250	1.90	0.520	500	Violet
38	JWI 0603HQ-82N□	82	150	J,G	45	250	1.80	0.560	510	Green
39	JWI 0603HQ-91N□	91	150	J,G	45	250	1.65	0.580	440	White
40	JWI 0603HQ-R10□	100	150	J,G	49	250	1.70	0.540	470	Blue
41	JWI 0603HQ-R11□	110	150	J,G	47	250	1.60	0.580	440	Violet
42	JWI 0603HQ-R12□	120	150	J,G	47	250	1.55	0.720	420	Gray
43	JWI 0603HQ-R18□	180	100	J,G	48	250	1.30	1.500	310	Black
44	JWI 0603HQ-R20□	200	100	J,G	47	250	1.25	2.000	280	Green
45	JWI 0603HQ-R21□	210	100	J,G	48	250	1.20	2.000	280	Gray
46	JWI 0603HQ-R22□	220	100	J,G	47	250	1.10	2.000	280	Brown
47	JWI 0603HQ-R25□	250	100	J,G	45	250	1.05	3.000	240	Violet
48	JWI 0603HQ-R27□	270	100	J,G	46	250	1.05	2.250	260	Red
49	JWI 0603HQ-R30□	300	100	J,G	47	250	0.99	2.800	220	Green
50	JWI 0603HQ-R33□	330	100	J,G	46	250	0.93	3.600	180	Blue
51	JWI 0603HQ-R36□	360	100	J,G	47	250	0.93	4.000	170	Gray
52	JWI 0603HQ-R39□	390	100	J,G	47	250	0.88	4.000	170	Yellow

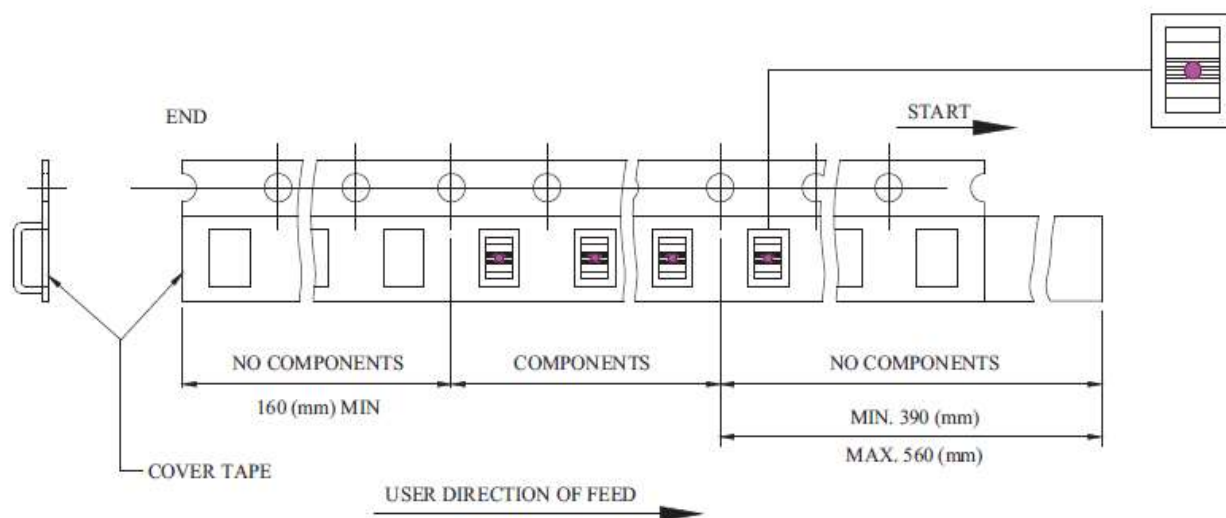
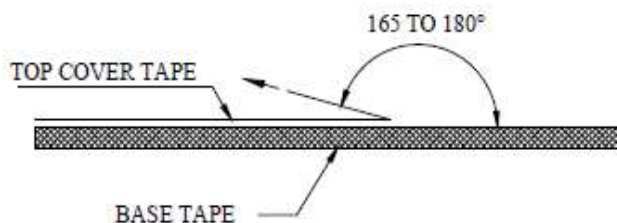
Note:

□ Tolerance : J ± 5% 、 G ± 2%

Packaging Information



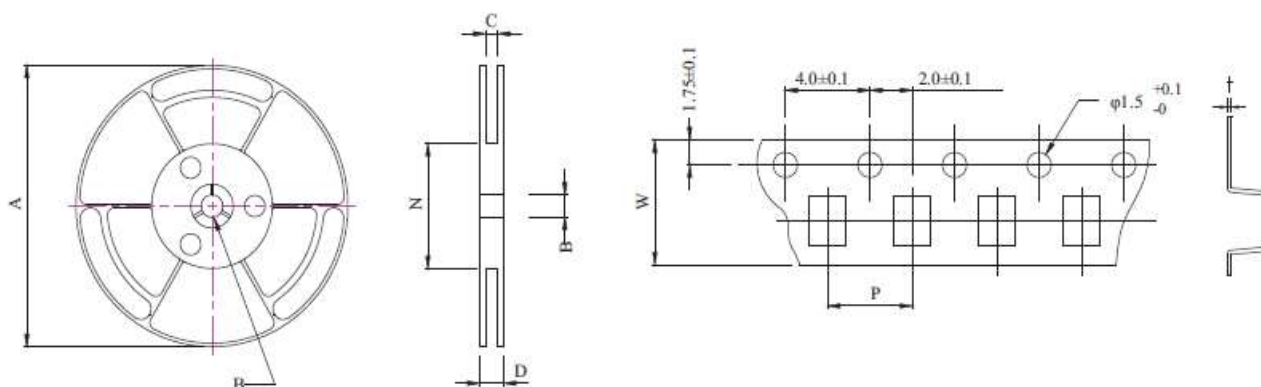
- THE FORCE FOR TEARING OFF COVER TAPE IS 10 TO 100 GRAMS IN THE ARROW DIRECTION.



■ CARRIER TAPE REELS (mm)

MATERIAL: PLASTIC

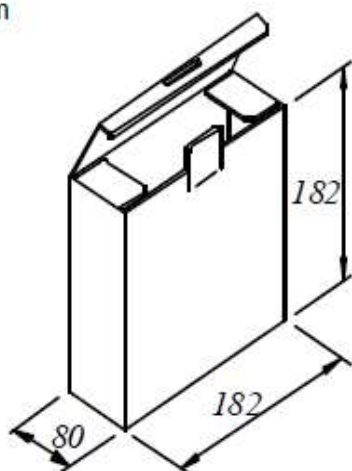
■ DIMENSIONS OF CARRIER TAPE (mm)



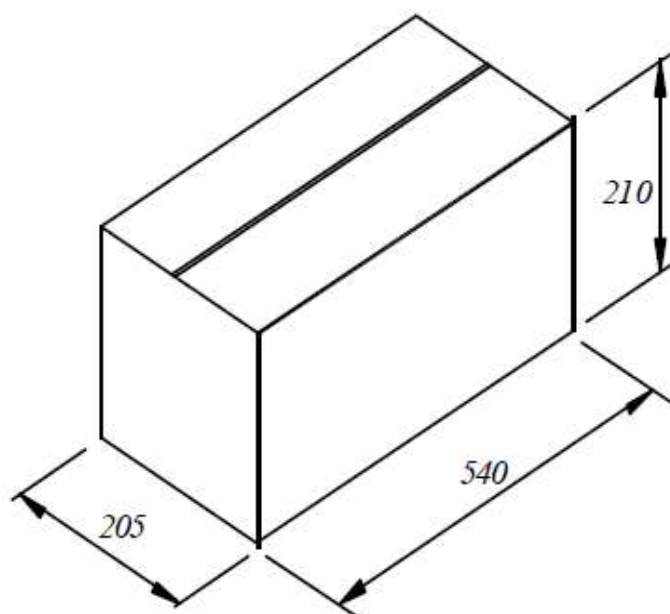
UNIT : mm

	A	B	C	D	N	P	W	t
DIM.	180	13.0	8.4	14.4	50	4.0	8.0	0.25
TOL.	MAX.	+0.5-0.2	+2.0-0	MAX	MIN.	±0.1	±0.2	±0.05

UNIT: mm



- CONSTRUCTION:
A BOX CONTAINS 5 REELS
Q'TY : 4,000/REEL
20,000 / BOX



TOTAL Q'TY : 120,000 PCS