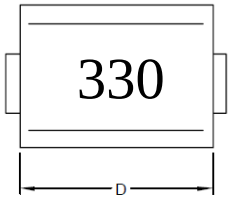
1. Part No. Expression:

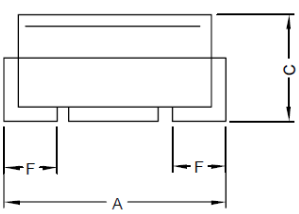
H W I 4 5 3 2 3 2 - 2 R 2 K F

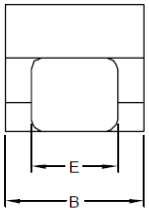
(a) (b) (c) (d)(e)

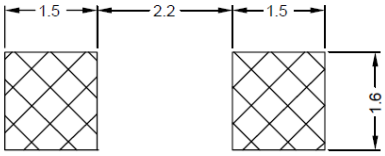
a) Series Code
b) Dimension Code
c) Inductance Code
d) Tolerance Code
e) F: RoHS Compliant

2. Configuration & Dimensions :







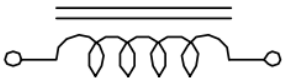


PCB Pattern

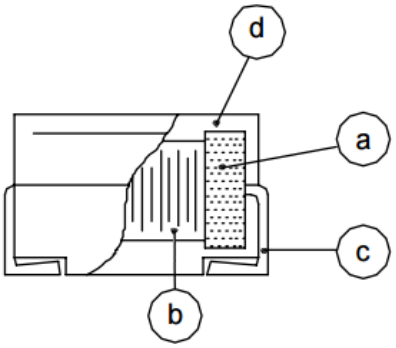
Unit: mm

A	B	C	D	E	F
4.5±0.3	3.2±0.2	3.2±0.2	4.2±0.2	1.2±0.2	1.0±0.2

3. Schematic



4. Material List



(a) Core
(b) Wire
(c) Terminal
(d) Capsulate

NOTE: Specifications subject to change without notice. Please check our website for latest information.

5. General Specification:

a) Operating Temp. : -40°C ~ +125°C

b) Storage Temp. : -40°C ~ +125°C

c) Rated Current will cause the inductance drop within 10%

6. Electrical Characteristics

Part No	Inductance (uH)	Tolerance	Q Min.	Test Frequency (MHz)	SRF (MHz) Min.	DCR (Ω) Max.	IDC (mA) Max.
HWI453232-1R0☐F	1.00	K	10	7.96	180	0.11	1050
HWI453232-1R2☐F	1.20	K	10	7.96	160	0.12	1000
HWI453232-1R5☐F	1.50	K	10	7.96	130	0.15	950
HWI453232-1R8☐F	1.80	K	10	7.96	100	0.16	900
HWI453232-2R2☐F	2.20	K	10	7.96	80	0.18	850
HWI453232-2R7☐F	2.70	K	10	7.96	60	0.20	800
HWI453232-3R3☐F	3.30	K	10	7.96	45	0.22	750
HWI453232-3R9☐F	3.90	K	10	7.96	40	0.24	700
HWI453232-4R7☐F	4.70	K	10	7.96	35	0.27	650
HWI453232-5R6☐F	5.60	K	10	7.96	30	0.30	650
HWI453232-6R8☐F	6.80	K	10	7.96	28	0.35	600
HWI453232-8R2☐F	8.20	K	10	7.96	25	0.40	600
HWI453232-100☐F	10.0	K	10	2.52	22	0.50	550
HWI453232-120☐F	12.0	K	10	2.52	21	0.60	500
HWI453232-150☐F	15.0	K	10	2.52	20	0.70	450
HWI453232-180☐F	18.0	K	10	2.52	19	0.80	400
HWI453232-220☐F	22.0	K	10	2.52	18	0.90	370
HWI453232-270☐F	27.0	K	10	2.52	16	1.20	330
HWI453232-330☐F	33.0	K	10	2.52	14	1.40	300
HWI453232-390☐F	39.0	K	10	2.52	12	1.60	280
HWI453232-470☐F	47.0	K	10	2.52	11.5	1.90	260
HWI453232-560☐F	56.0	K	10	2.52	11	2.20	240
HWI453232-680☐F	68.0	K	10	2.52	10	2.60	220
HWI453232-820☐F	82.0	K	10	2.52	9.0	3.50	200
HWI453232-101☐F	100	K	20	0.796	8.0	4.00	180
HWI453232-121☐F	120	K	20	0.796	7.5	4.50	160

Tolerance: K = ± 10%

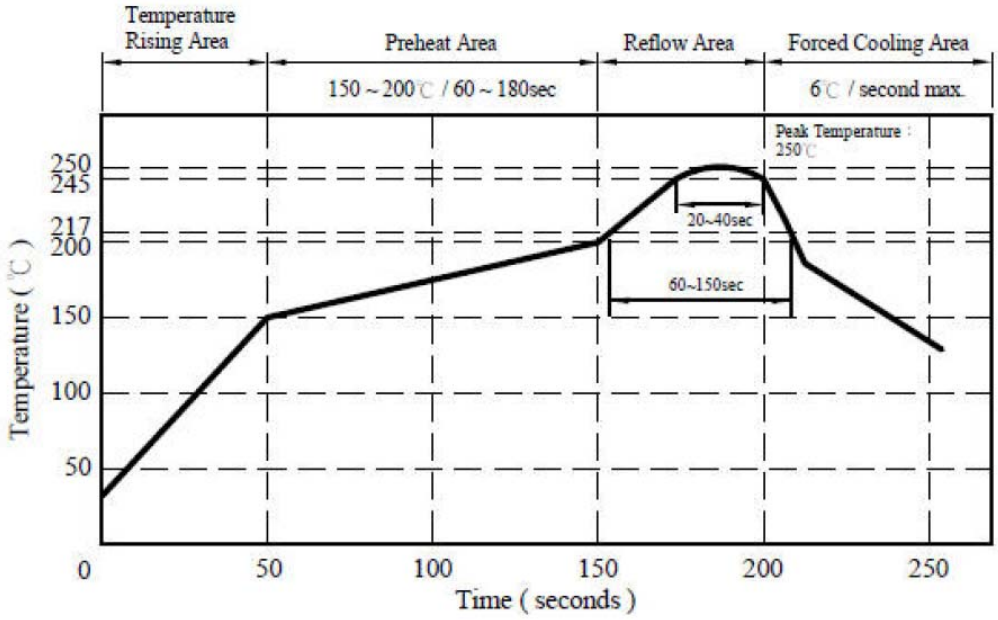
NOTE: Specifications subject to change without notice. Please check our website for latest information.

Part No	Inductance (uH)	Tolerance	Q Min.	Test Frequency (MHz)	SRF (MHz) Min.	DCR (Ω) Max.	IDC (mA) Max.
HWI453232-151☐F	150	K	20	0.796	7.0	6.50	140
HWI453232-181☐F	180	J	20	0.796	6.5	7.50	120
HWI453232-221☐F	220	K	20	0.796	5.5	9.00	120
HWI453232-271☐F	270	K	20	0.796	5.0	11.00	100
HWI453232-331☐F	330	K	20	0.796	4.0	13.00	90
HWI453232-391☐F	390	K	20	0.796	3.0	14.00	85
HWI453232-471☐F	470	K	20	0.796	3.0	16.00	75
HWI453232-561☐F	560	K	20	0.796	3.0	21.00	70
HWI453232-681☐F	680	K	20	0.796	2.5	24.20	65

Tolerance: K = ± 5%; K = ± 10%

7. Soldering

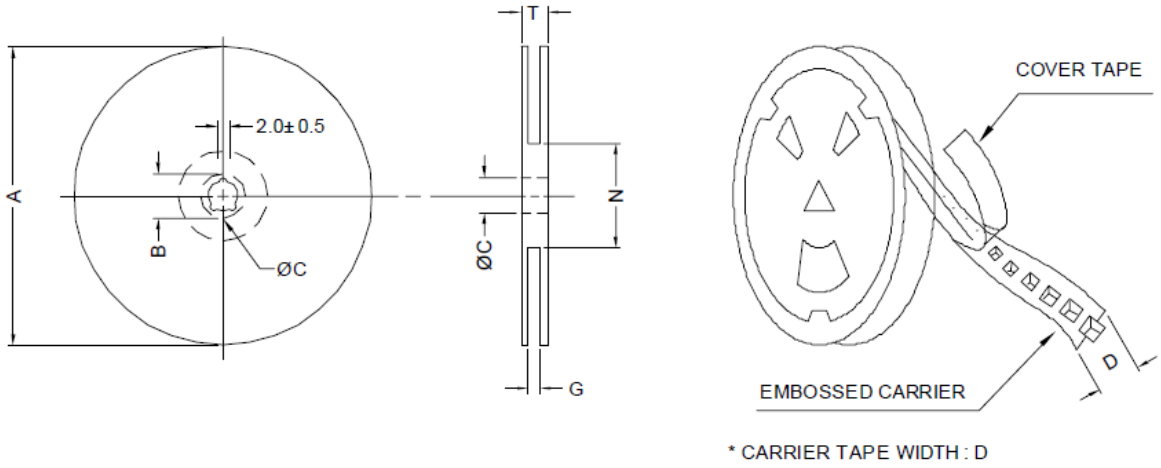
7-1 Reflow Soldering



NOTE: Specifications subject to change without notice. Please check our website for latest information.

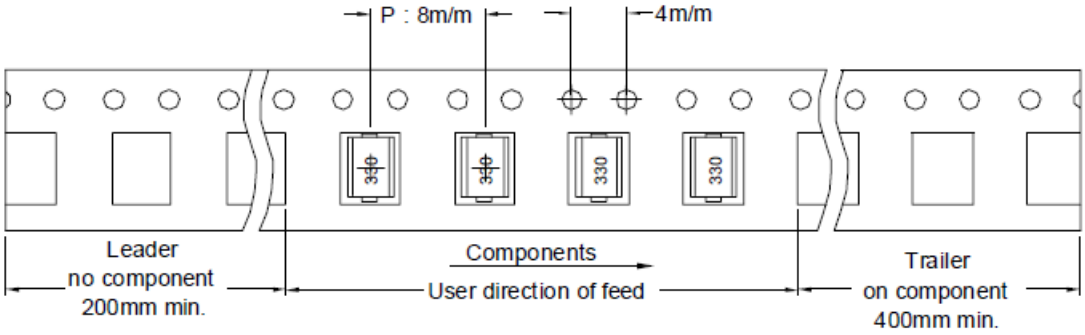
8. Packaging Information

8-1 Reel Dimension



A(mm)	B(mm)	C(mm)	D(mm)	G(mm)	N(mm)	T(mm)
178	21±0.8	13	12	14 Max.	50 Min.	16.5

8-2 Tape Dimension



*There is no differentiation or directions of polarity (marking) in the packaging method

8-3 Packaging Quantity

Series	HWI453232
Reel	500pcs
Carton (410*390*220mm)	20,000pcs