

Ceramic Wire Wound Inductors

AISC-0402



RoHS / RoHS II Compliant



1.19 x 0.64 x 0.66mm

Key Electrical Specifications (Cont.)

Part Number	L (nH)	Tolerance	Q Min	L/Q Test Freq (MHz)	SRF Min (MHz)	RDC Max (Ω)	IDC Max (mA)
Inductance Code							
23N	23	G, J, K	26	250	2720	0.250	400
24N	24	G, J, K	26	250	2700	0.300	400
27N	27	G, J, K	26	250	2480	0.300	400
30N	30	G, J, K	25	250	2350	0.300	400
33N	33	G, J, K	25	250	2350	0.350	400
36N	36	G, J, K	26	250	2320	0.400	320
39N	39	G, J, K	25	250	2100	0.500	200
40N	40	G, J, K	26	250	2240	0.550	200
43N	43	G, J, K	25	250	2030	0.700	150
47N	47	G, J, K	20	250	2100	0.750	150
51N	51	G, J, K	25	250	1750	0.820	100
56N	56	G, J, K	25	250	1760	0.970	100
62N	62	G, J, K	25	250	1620	0.970	100
68N	68	G, J, K	25	250	1620	1.120	100
72N	72	G, J, K	25	250	1620	1.550	100
82N	82	J, K	25	250	1620	1.550	100
R10	100	J, K	25	250	1620	2.600	100
R12	120	J, K	25	250	1520	2.700	90
R15	150	J, K	25	250	1200	2.900	80

Test Conditions:

Inductance (L): Agilent4287A+Agilent16197A or equivalent, 50mV

Direct Current Resistance (DCR): HIOKI 3540 or equivalent

Temperature rise current (Ir): Electric Power, Electric current meter, Thermometer

IDC: Based on temperature rise (ΔT : 20°C TYP.)

OPTIONS & PART IDENTIFICATION:

AISC-0402 - -

Inductance Code
Please refer to the electrical specification table

Tolerance Code
S: $\pm 0.3\text{nH}$
G: $\pm 2\%$
J: $\pm 5\%$
K: $\pm 10\%$

Packaging
T: Tape and Reel (10kpcs/reel)

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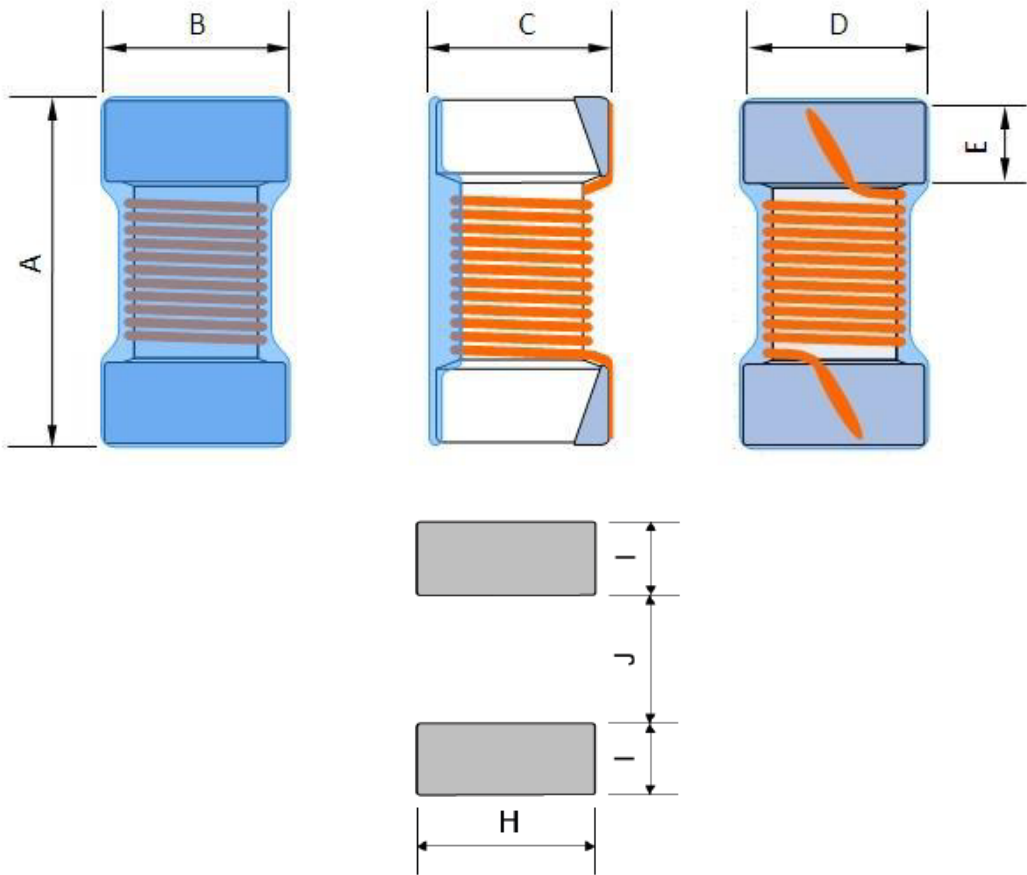


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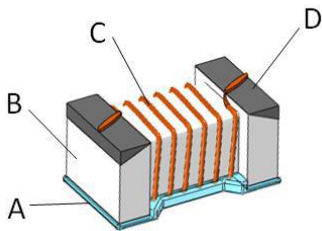
MECHANICAL DIMENSIONS:



Recommended Land Pattern

A	B	C	D	E	H REF.	I REF.	J REF.
1.10±0.1	0.60±0.1	0.55±0.1	0.50±0.1	0.20±0.1	0.65	0.35	0.50

Materials



No.	Components	Material
A	Coating	Ultraviolet epoxy resin
B	Core	Ceramic
C	Wire	Polyurethane system enameled copper wire
D	Electrodes	Mo-Mn with Ni and Gold plating



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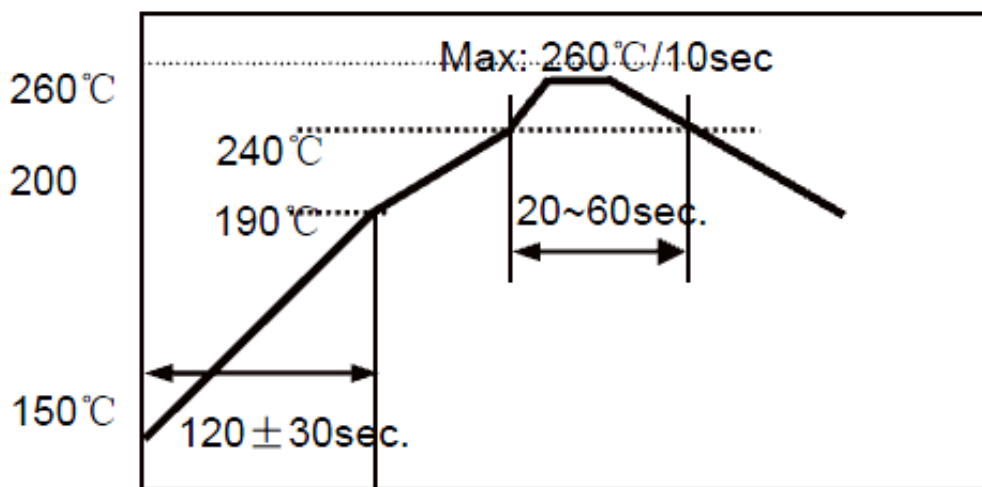
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REVISED: 1-21-21

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REFLOW PROFILE:



- Δ 1~2 C/sec. Ramp
- Δ Pre-heating: 150~190°C/120±30 sec.
- Δ Time above 240°C: 20~60sec
- Δ Peak temperature: 260°C Max./10sec.
- Δ Solder paste: Sn/3.0Ag/0.5Cu
- Δ Max.2 times for re-flowing



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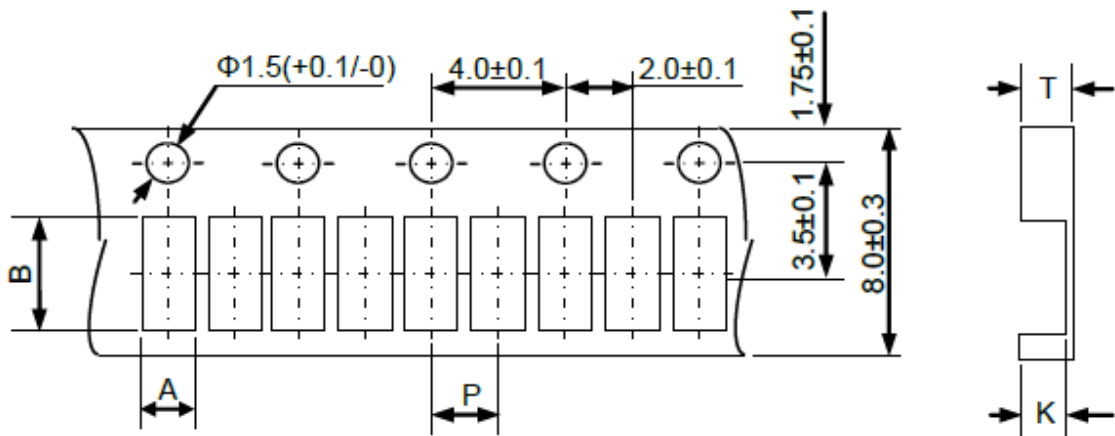
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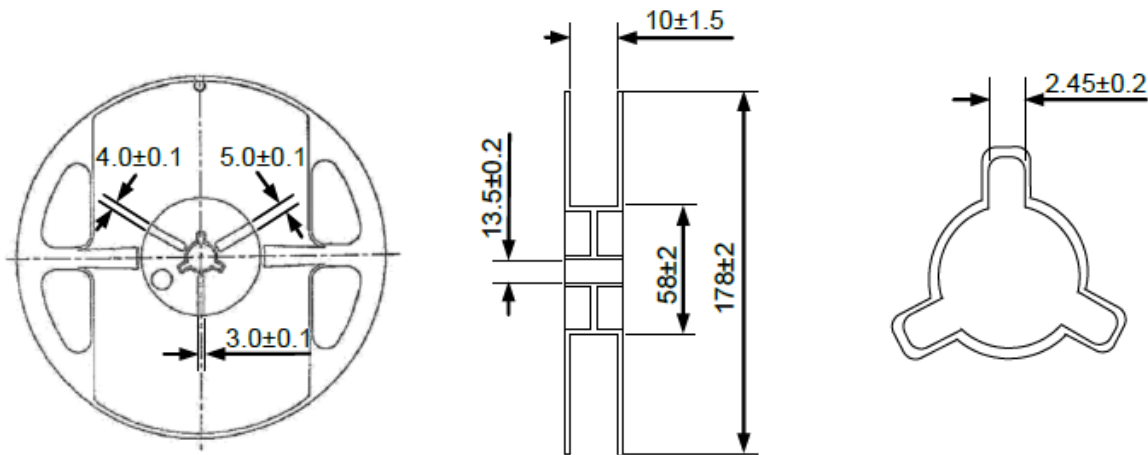
1.19 x 0.64 x 0.66mm

➤ **TAPE & REEL:**

T= tape and reel (10,000pcs/reel)



A	B	P	K	T
0.66±0.05	1.20±0.05	2.0±0.1	0.75±0.05	0.8±0.1



Dimension: mm

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