

UNSHIELDED SMD POWER INDUCTOR

AISC-1206H



RoHS
Compliant



3.2 x 1.6 x 1.8mm

FEATURES:

- Low profile dimension and small size, suitable for portable equipment.
- Suitable for flow and reflow soldering
- Low DC resistance, high current capacity make it excellent for using as a choke coil in DC power supply circuits.

APPLICATIONS:

- Excellent for power line DC/DC conversion applications
- Used in hard disk , notebook computer and other electronic equipment.

STANDARD SPECIFICATIONS:

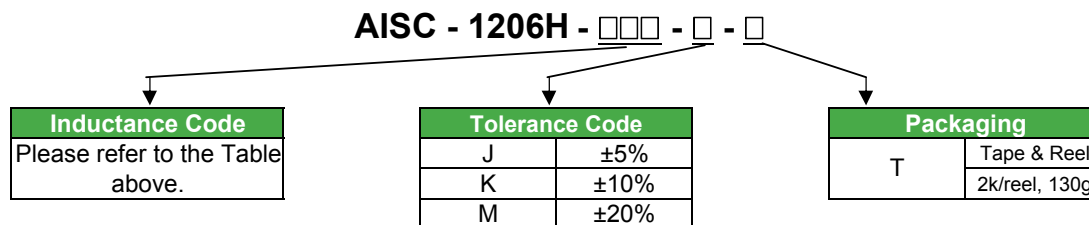
PARAMETERS	
ABRACON P/N:	AISC-1206H-xxx Series
Operating temperature:	-25°C to + 80°C
Storage temperature:	-25°C to + 85°C, 70% RH max.
Test Condition:	1.0V/1.0MHz

Electrical Characteristics / AISC-1206H

Part Number	L (μH)	Tolerance	Rdc (Ω) max.	SRF(MHz) Min.	Idc (mA) max.
AISC-1206H-R12	0.12	M	0.112	250	970
AISC-1206H-R22	0.22	M	0.14	250	850
AISC-1206H-R47	0.47	M	0.21	180	700
AISC-1206H-1R0	1.00	M	0.364	100	510
AISC-1206H-2R2	2.20	M	0.533	50	430
AISC-1206H-4R7	4.70	M,K	0.845	31	340
AISC-1206H-100	10.00	K,J	1.69	20	230
AISC-1206H-220	1.00	K,J	3.9	14	160
AISC-1206H-470	1.20	K,J	10.4	10	100
AISC-1206H-101	1.50	K,J	15.6	7	80

Rated DC current (Idc): The current when the inductance decreases to 90% of its initial value or the current when the temperature of coil increases $\Delta 20^{\circ}\text{C}$. The smaller one is defined as Rated DC Current. (Ta=25°C)

OPTIONS AND PART IDENTIFICATION:



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AISC-1206H

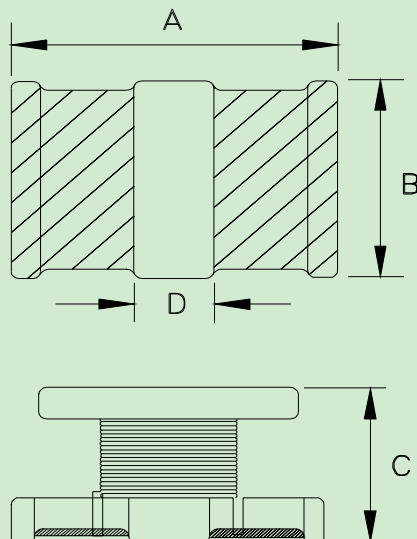


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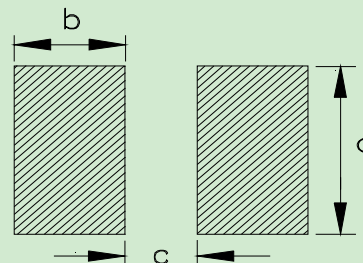


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OUTLINE DRAWING:



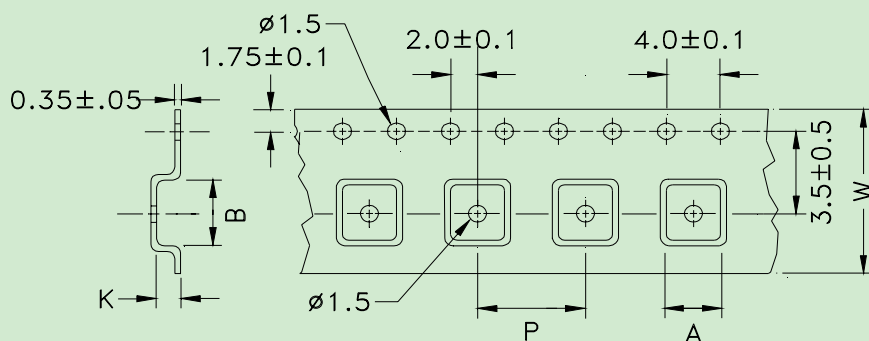
Recommended Land Pattern



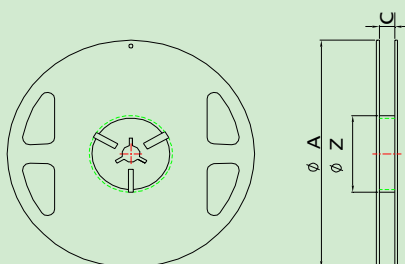
Series	A	B	C	D(ref)	a(ref)	b(ref)	c(ref)
AISC-1206H	0.126±0.012 (3.2 ±0.3)	0.063±0.012 (1.6 ±0.3)	0.071±0.012 (1.8 ±0.3)	0.028 (0.7)	0.059 (1.5)	0.059 (1.5)	0.04 (1.0)

Dimensions: Inches
(mm)

TAPE & REEL: Tape and reel 4,000pcs/reel



ABRACON P/N	A (mm)	B (mm)	K (mm)	P (mm)	W (mm)	PCS/REEL
AISC-1206H	2.4 ± 0.1	3.5 ± 0.1	2.1 ± 0.1	4.0 ± 0.1	12.0 ± 0.1	2000



series	A	C	Z
AISC-1206H	330-0.5	8.4+1.5	100±1.0

Dimensions: mm

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