



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



SMD FERRITE WIRE WOUND INDUCTOR

AISC-1008F(L)-xxx



RoHS
Compliant

2.92 x 2.79 x 2.29mm



FEATURES:

- Ceramic Construction assures the utmost in the thermal stability and high SRF
- Exceptionally high Q compared to non-wirewound inductor, especially at high frequencies
- Inductance values from 150nH to 10000nH available, tight tolerance

APPLICATIONS:

- Widely applied in the VCO, SAW circuit for GSM, CDMA communication
- Used in hard disk, notebook computer and other electronic equipment

STANDARD SPECIFICATIONS:

PARAMETERS

ABRACON P/N:	AISC-1008F(L)-xxx Series
Operating temperature:	-25°C to + 125°C
Storage temperature:	-25°C to + 85°C, 70% RH max.

Part Number	L (μH)	L. Test Freq (MHz)	Tolerance (±%)	Q Min	Q Test Freq (MHz)	SRF Min (MHz)	R _{DC} Max (Ω)	I _{DC} Max (mA)
AISC-0805F(L)-151	0.15	25.00	5, 10, 20	45	100	500	0.35	750
181	0.18	25.00	5, 10, 20	45	100	500	0.40	750
331	0.33	25.00	5, 10, 20	45	100	500	0.50	700
122	1.20	7.90	5, 10, 20	48	50	210	0.68	650
152	1.50	7.90	5, 10, 20	41	50	190	0.76	630
182	1.80	7.90	5, 10, 20	39	50	170	0.84	600
222	2.20	7.90	5, 10, 20	34	50	150	1.10	520
272	2.70	7.90	5, 10, 20	34	50	100	1.28	490
332	3.30	7.90	5, 10, 20	32	50	100	1.46	450
392	3.90	7.90	5, 10, 20	32	7.9	70	1.56	420
472	4.70	7.90	5, 10, 20	31	7.9	60	1.69	400
562	5.60	7.90	5, 10, 20	23	7.9	50	1.82	380
682	6.80	7.90	5, 10, 20	31	7.9	40	2.00	360
822	8.20	7.90	5, 10, 20	23	7.9	40	2.65	330
103	10.0	7.90	5, 10, 20	31	7.9	40	2.95	300

OPTIONS AND PART IDENTIFICATION:

(Left blank if standard)

AISC - 1008F(L) - □□□ - □ - □

Inductance Code
Please refer to the Table above.

Packaging	
T	Tape & Reel

Tolerance Code	
J	±5%
K	±10%
M	±20%

ABRACON IS
ISO 9001 / QS 9000
CERTIFIED



Visit www.abracon.com for Terms & Conditions of Sale **Revised: 09.18.07**
30332 Esperanza, Rancho Santa Margarita, California 92688
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SMD FERRITE WIRE WOUND INDUCTOR

AISC-1008F(L)-xxx

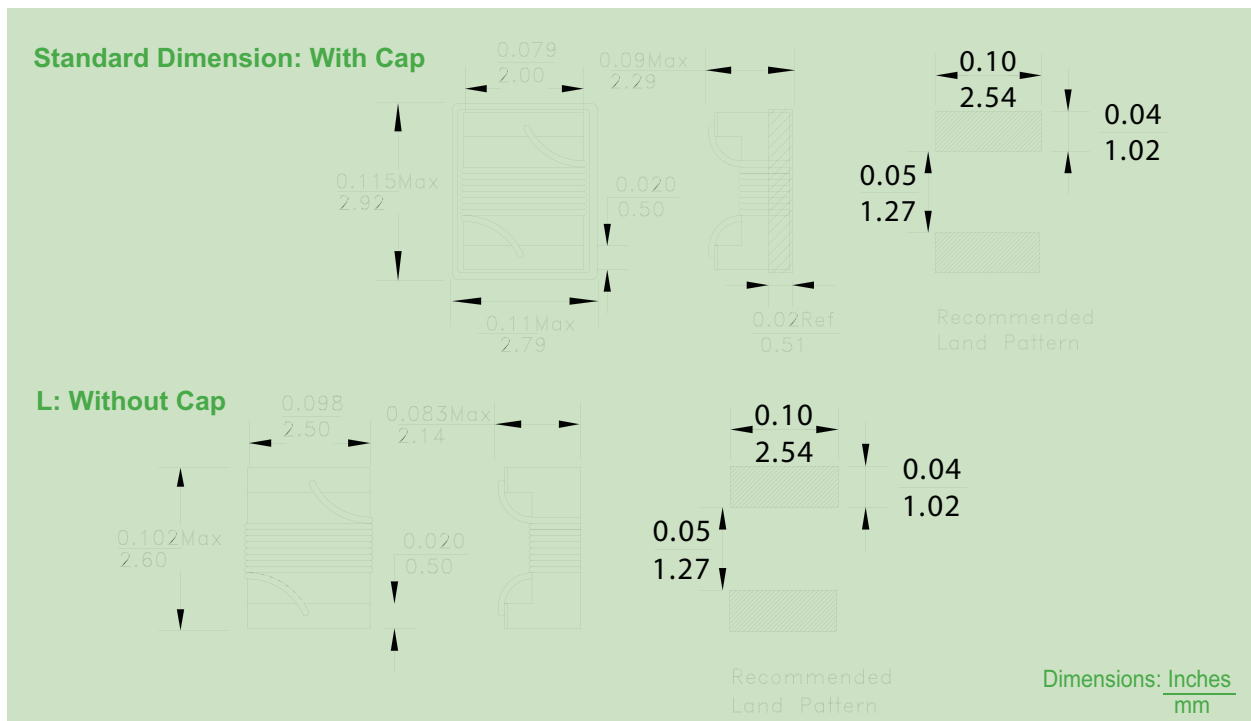


RoHS
Compliant

2.92 x 2.79 x 2.29mm

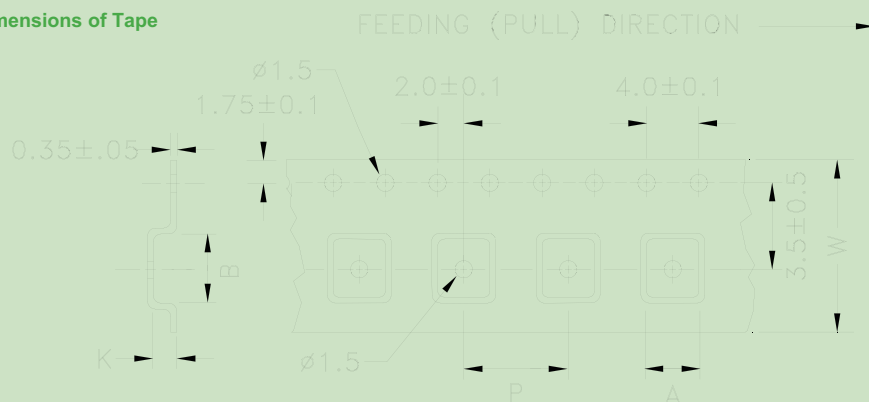


OUTLINE DRAWING:



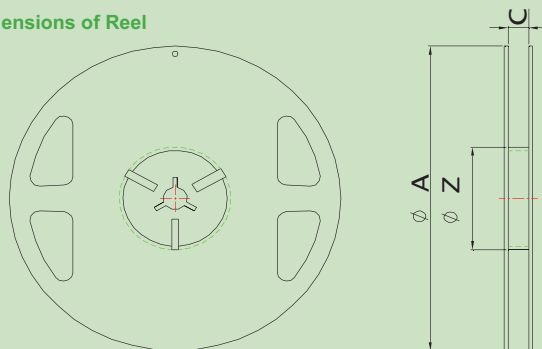
TAPE & REEL: Tape and reel 2,000pcs/reel

Dimensions of Tape



ABRACON P/N	A (mm)	B (mm)	K (mm)	P (mm)	W (mm)	PCS/REEL
AISC-1008F(L)	2.9	3.1	2.31	4	8	2,000

Dimensions of Reel



series	A	C	Z
AISC-1008F(L)	178±2.0	8.4+1.5	60±1.0

Dimensions: mm

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