

MULTILAYER FERRITE CHIP INDUCTOR

AIML-1210



RoHS
Compliant



3.2 x 2.5 x 1.3mm

FEATURES:

- Monolithic construction, compact size, and lightweight
- No cross coupling between inductors due to magnetic shield
- Excellent solderability and heat resistance for reflow soldering

APPLICATIONS:

- Resonance circuit, traps, filter circuits
- Other high frequency circuits
- RF choke, cordless phones, and radio equipment
- High frequency telecommunication circuits

STANDARD SPECIFICATIONS:

PARAMETERS

ABRACON P/N:	AIML-1210-xxx
Operating temperature:	-55°C to + 125°C
Storage temperature:	-55°C to + 125°C

AIML-1210	L (μ H)	Tolerance (%)	Q min.	Test Freq. (MHz)	SRF min. (MHz)	RDC (Ω)	I max. (mA)
2R2K	2.20	10	40	10	40	0.40	500
100K	10.00	10	35	2	20	0.70	400
150K	15.00	10	40	1	14	0.80	300
220K	22.00	10	40	1	10	1.10	250

Note: Please contact Abracon for the availability of other inductance values.

Test Conditions:

Unless otherwise specified:
Temperature: 5 °C ~ 35 °C
Humidity: 25 ~ 85% RH

In case of doubt:

Temperature: 20 $\pm$ 2 °C
Humidity: 60 ~ 75% RH
Atmospheric Pressure: 86 to 106 kPa

OPTIONS AND PART IDENTIFICATION:

(Left blank if standard)

AIML - 1210 - □□□□ - □

Impedance

Please refer to the tables above.

Packaging

T

Tape and Reel

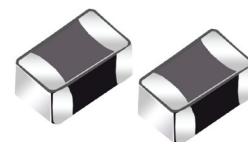


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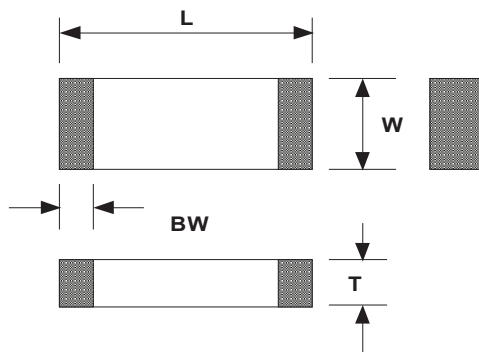


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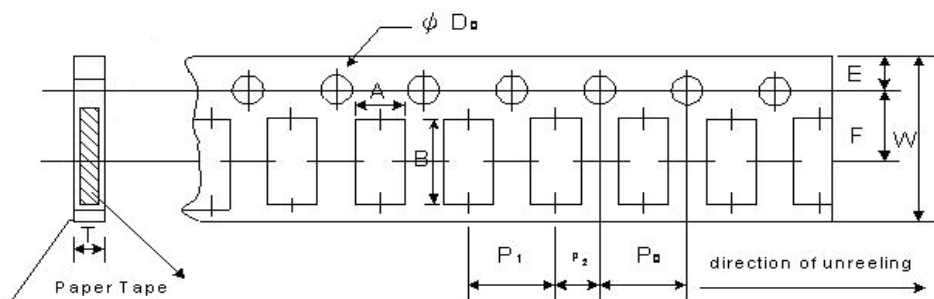
OUTLINE DRAWING:



Length (L)	0.126±0.008 (3.20±0.20)
Width (W)	0.098±0.008 (2.50±0.20)
Thickness (T)	0.051±0.008 (1.30±0.20)
Termination (BW)	0.02±0.012 (0.50±0.30)

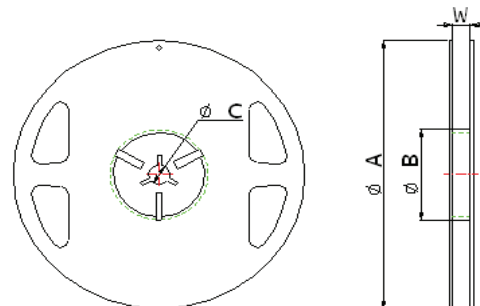
Dimensions: Inches
(mm)

TAPE & REEL: T= tape and reel (2,000 pcs per reel)



P/N	A	B	W	E	F
AIML-1210	2.9±0.1	3.65±0.1	8.0+0.3/0.1	1.75±0.1	3.5±0.05

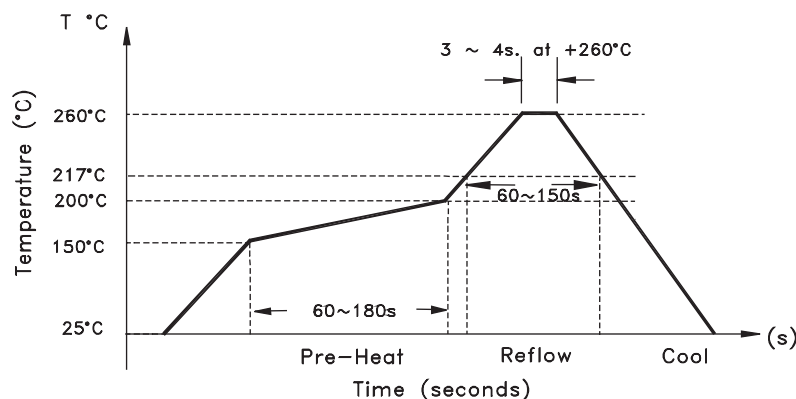
P/N	P ₀	P ₁	P ₂	ΦD ₀	T
AIML-1210	4.0±0.1	4.0±0.1	2.0±0.05	1.50+0.1/-0	1.4±0.1



	mm
A	178±2
B	60±2
C	13.0±0.5
W	10.0±1.15

Dimensions: mm

TAPE & REEL:



Profile Feature	Specification
Time maintained above: Temperature	217°C
Time	60 ~ 150 seconds
Peak/Classification Temperature	260°C
Peak/Classification Time	3 ~ 4 seconds
Time within 5°C of actual Peak Temperature	20 ~ 40 seconds
Ramp-Down Rate	6°C/second max.
Time 25°C to Peak Temperature	8 minutes max.

NOTE: Abracon manufactured products are intended for general commercial and industrial use. For applications requiring high reliability and/or presenting extreme operating environment, written consent & authorization from Abracon is required.

ABRACON IS
ISO 9001 / QS 9000
CERTIFIED



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