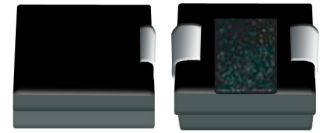


# SMD MOLDED WOUND CHIP INDUCTORS

AIMS-1210



RoHS  
Compliant



3.2 x 2.5 x 2.2mm

## FEATURES:

- High Current Capacity
- High Reliability

## APPLICATIONS:

- VCRs, Video Cameras
- Automobile Audio Systems
- LCD TVs, portable VCRs
- Computer Products & Peripherals

## ELECTRICAL SPECIFICATIONS:

PARAMETERS	
ABRACON P/N:	AIMS-1210-xxx Series
Operating temperature:	-40°C to + 85°C
Storage temperature:	-55°C to + 125°C

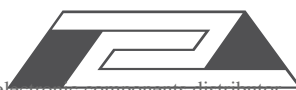
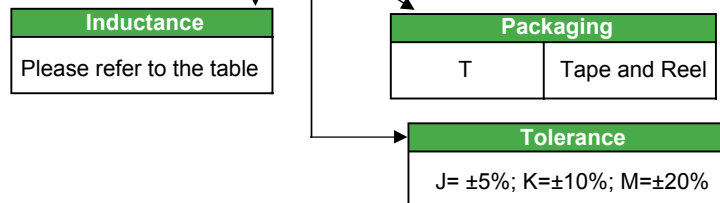
Part No.	L(μH)	Standard Tolerance	Q	Test Freq.	SRF(MHz)	DCR(Ω)	Idc(mA)
			(min)	(MHz)	(min)	(max)	(max)
AIMS-1210-R12K	0.12	K	30	25.2	500	0.22	450
AIMS-1210-R15K	0.15	K	30	25.2	450	0.25	450
AIMS-1210-R18K	0.18	K	30	25.2	400	0.28	450
AIMS-1210-R22K	0.22	K	30	25.2	350	0.32	450
AIMS-1210-R27K	0.27	K	30	25.2	320	0.36	450
AIMS-1210-R33K	0.33	K	30	25.2	300	0.40	450
AIMS-1210-R39K	0.39	K	30	25.2	250	0.45	450
AIMS-1210-R47K	0.47	K	30	25.2	220	0.50	450
AIMS-1210-R56K	0.56	K	30	25.2	180	0.55	450
AIMS-1210-R68K	0.68	K	30	25.2	160	0.60	450
AIMS-1210-R82K	0.82	K	30	25.2	140	0.65	450
AIMS-1210-1R0K	1.00	K	30	7.96	95	0.70	400
AIMS-1210-1R2K	1.20	K	30	7.96	80	0.75	390
AIMS-1210-1R5K	1.50	K	30	7.96	70	0.85	370
AIMS-1210-1R8K	1.80	K	30	7.96	60	0.90	350
AIMS-1210-2R2K	2.20	K	30	7.96	50	1.00	320
AIMS-1210-2R7K	2.70	K	30	7.96	45	1.10	290
AIMS-1210-3R3K	3.30	K	30	7.96	40	1.20	270
AIMS-1210-3R9K	3.90	K	30	7.96	37	1.30	250
AIMS-1210-4R7K	4.70	K	30	7.96	32	1.50	220
AIMS-1210-5R6K	5.60	K	30	7.96	30	1.60	200
AIMS-1210-6R8K	6.80	K	30	7.96	27	1.80	180
AIMS-1210-8R2K	8.2	K	30	7.96	25	2.0	170
AIMS-1210-100K	10	K	30	2.52	20	2.1	150
AIMS-1210-120K	12	K	30	2.52	18	2.5	140
AIMS-1210-150K	15	K	30	2.52	17	2.8	130
AIMS-1210-180K	18	K	30	2.52	15	3.3	120
AIMS-1210-220K	22	K	30	2.52	14	3.7	110
AIMS-1210-270K	27	K	30	2.52	13	5.0	80
AIMS-1210-330K	33	K	30	2.52	12	5.6	70
AIMS-1210-390K	39	K	30	2.52	12	6.4	65
AIMS-1210-470K	47	K	30	2.52	10	7.0	60
AIMS-1210-560K	56	K	30	2.52	9	8.0	55
AIMS-1210-680K	68	K	30	2.52	9	9.0	50
AIMS-1210-820K	82	K	30	2.52	8	10	45
AIMS-1210-101K	100	K	20	0.796	7	10	40
AIMS-1210-121K	120	K	20	0.796	7	11	70
AIMS-1210-151K	150	K	20	0.796	6	15	65
AIMS-1210-181K	180	K	20	0.796	6	17	60

Rated Current: the DC current at which the inductance drop 10% (tpy.) from its initial value without core loss

## OPTIONS & PART IDENTIFICATION:

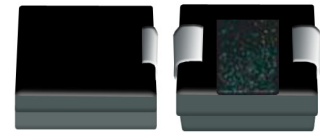
(Left blank if standard)

AIMS -1210 - □□□ □ - □



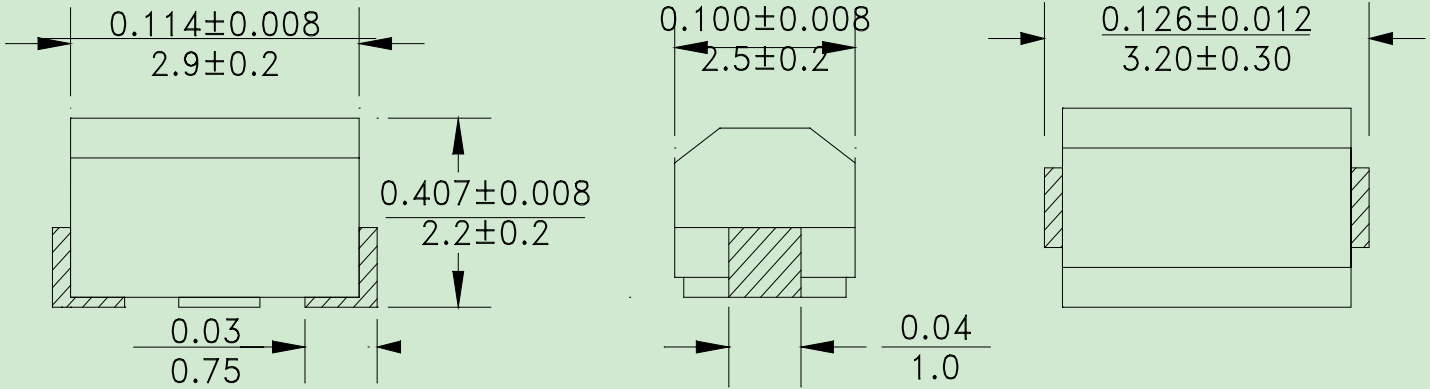
# SMD MOLDED WOUND CHIP INDUCTORS

AIMS-1210



3.2 x 2.5 x 2.2mm

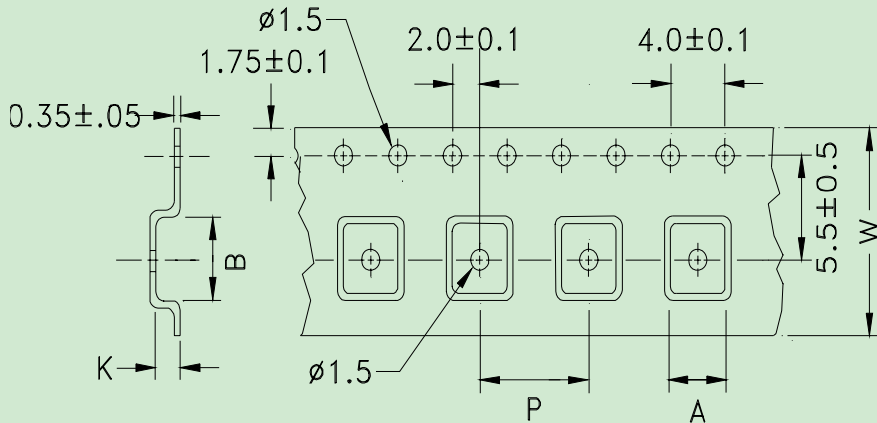
## OUTLINE DRAWING:



Dimension: inch/mm

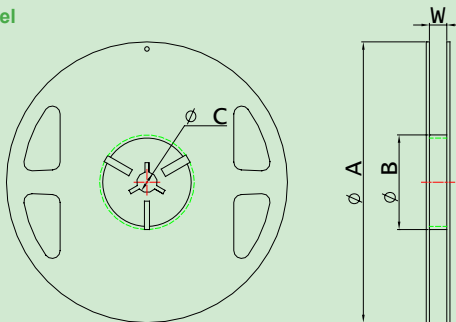
## TAPE & REEL: Tape and reel 2,000pcs/reel

### Dimensions of Tape



ABRACON P/N	A (mm)	B (mm)	K (mm)	P (mm)	W (mm)	PCS/REEL
AIMS-1210	2.9 ± 0.1	3.7 ± 0.1	2.5	8.0 ± 0.1	12.0 ± 0.3	2000

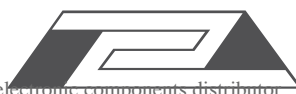
### Dimensions of Reel



series	ØA	ØB	ØC	W
AIMS-1210	178±2	60±2	13.5±0.5	12.5±0.5

Dimensions: mm

ABRACON IS  
ISO 9001 / QS 9000  
CERTIFIED



**ABRACON**  
CORPORATION

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