

# SMD MOLDED WOUND CHIP INDUCTORS

AIMS-1008



RoHS  
Compliant



2.5 x 2.0 x 1.8mm

## FEATURES:

- Highly reliable in sudden temperature and humidity change
- Resistant to mechanical shocks and sudden temperature
- Accurate dimensions for automatic surface mounting
- Low DCR and High current, suitable for power line applications

## ELECTRICAL SPECIFICATIONS:

### PARAMETERS

ABRACON P/N:	AIMS-1008-xxx Series
Operating temperature:	-40°C to + 85°C
Storage temperature:	-55°C to + 125°C

## APPLICATIONS:

- VCRs, Video Cameras
- LCD TVs, Mini-TVs, TV Tuners
- Automobile Audio Systems
- Computer Products & Peripherals

Part No.	L(μH)	Tolerance	Q	Test Freq.	SRF(MHz)	DCR(Ω)	Idc(mA)
		(%)	(min)	(MHz)	(min)	(max)	(max)
AIMS-1008-R22	0.22	J / K / M	25	25.2	230	0.70	190
AIMS-1008-R27	0.27	J / K / M	25	25.2	210	0.75	180
AIMS-1008-R33	0.33	J / K / M	25	25.2	190	0.85	170
AIMS-1008-R39	0.39	J / K / M	25	25.2	175	0.95	160
AIMS-1008-R47	0.47	J / K / M	25	25.2	160	1.00	155
AIMS-1008-R56	0.56	J / K / M	25	25.2	150	1.10	150
AIMS-1008-R68	0.68	J / K / M	25	25.2	135	1.25	140
AIMS-1008-R82	0.82	J / K / M	25	25.2	125	1.40	130
AIMS-1008-1R0	1.0	J / K / M	25	7.96	115	0.65	195
AIMS-1008-1R2	1.2	J / K / M	25	7.96	100	0.75	180
AIMS-1008-1R5	1.5	J / K / M	25	7.96	90	0.85	170
AIMS-1008-1R8	1.8	J / K / M	25	7.96	85	0.95	160
AIMS-1008-2R2	2.2	J / K / M	25	7.96	80	1.05	155
AIMS-1008-2R7	2.7	J / K / M	25	7.96	75	1.20	145
AIMS-1008-3R3	3.3	J / K / M	25	7.96	65	1.30	135
AIMS-1008-3R9	3.9	J / K / M	25	7.96	60	1.40	130
AIMS-1008-4R7	4.7	J / K / M	25	7.96	55	1.6	125
AIMS-1008-5R6	5.6	J / K / M	25	7.96	50	1.8	120
AIMS-1008-6R8	6.8	J / K / M	25	7.96	45	2.0	115
AIMS-1008-8R2	8.2	J / K / M	25	7.96	40	2.2	105
AIMS-1008-100	10	J / K / M	25	2.52	32	3.5	80
AIMS-1008-120	12	J / K / M	25	2.52	30	3.8	75
AIMS-1008-150	15	J / K / M	25	2.52	28	4.4	70
AIMS-1008-180	18	J / K / M	25	2.52	25	5.0	65
AIMS-1008-220	22	J / K / M	25	2.52	22	5.8	60
AIMS-1008-270	27	J / K / M	20	2.52	21	6.3	115
AIMS-1008-330	33	J / K / M	20	2.52	20	7.1	110
AIMS-1008-390	39	J / K / M	20	2.52	18	9.5	90
AIMS-1008-470	47	J / K / M	20	2.52	17	11.0	80
AIMS-1008-560	56	J / K / M	20	2.52	16.0	12.1	75
AIMS-1008-680	68	J / K / M	20	2.52	15.0	16.6	70
AIMS-1008-820	82	J / K / M	20	2.52	13.0	19.0	65
AIMS-1008-101	100	J / K / M	15	0.796	12.0	21.0	60

\* The rated current indicates the current when the inductance decreases to 65% of its initial value or DC current when the temperature of coil is increased by 30°C

Tolerance : J=±5%;K=±10%;M=±20%;K is standard

## OPTIONS & PART IDENTIFICATION:

(Left blank if standard)

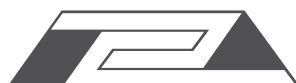
AIMS -1008 - □□□ □ - □

**Inductance**  
Please refer to the table

**Packaging**  
T    Tape and Reel

**Tolerance**  
J= ±5%; K=±10%; M=±20%

ABRACON IS  
ISO 9001 / QS 9000  
CERTIFIED



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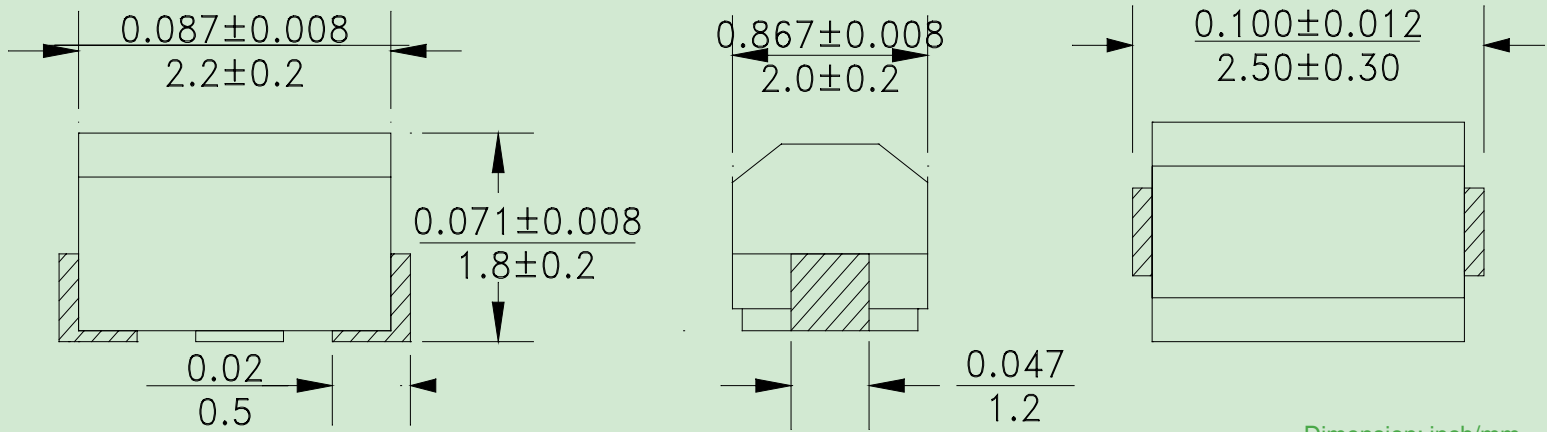
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AIMS-1008



2.5 x 2.0 x 1.8mm

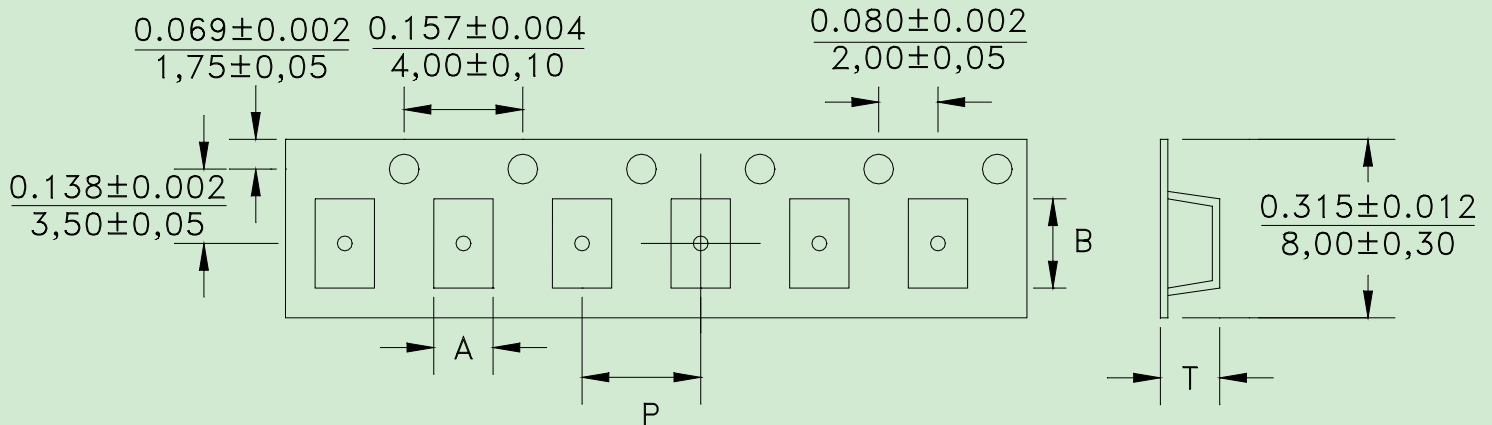
## OUTLINE DRAWING:



Dimension: inch/mm

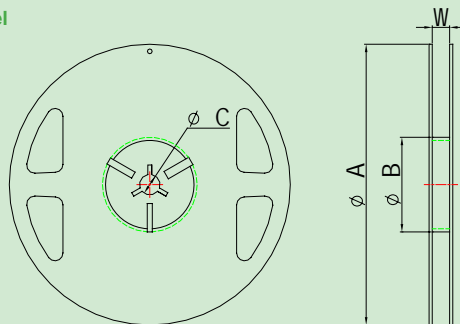
## TAPE & REEL: Tape and reel 2,000pcs/reel

### Dimensions of Tape



ABRACON P/N	A (mm)	B (mm)	T (mm)	P (mm)	PCS/REEL
AIMS-1008	2.3 $\pm$ 0.1	2.9 $\pm$ 0.1	2.1 $\pm$ 0.1	4.0 $\pm$ 0.1	2000

### Dimensions of Reel



series	$\phi A$	$\phi B$	$\phi C$	W (mm)
AIMS-1008	178 $\pm$ 2	60 $\pm$ 2	13.5 $\pm$ 0.5	8.0 $\pm$ 2.0/-0.0

Dimensions: mm

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