

# MOLDED FERRITE WIRE WOUND CHIP INDUCTOR

AIMS-2220



RoHS  
Compliant



5.8 x 5.2 x 5.2mm

## FEATURES:

- Low RDC, Large current type
- Best suited for power supply lines

## APPLICATIONS:

- Portable Phones
- Personal Computers
- HDD's

## STANDARD SPECIFICATIONS:

### PARAMETERS

ABRACON P/N:	AIMS-2220-xxx Series
Operating temperature:	-40°C to + 85°C
Storage temperature:	-55°C to + 125°C

Part No.	L(μH)	Tolerance	Q	Test Freq.	SRF(MHz)	Rdc (Ω)	Idc (mA)
		(%)	(min)	(MHz)	(min)	(max)	(max)
AIMS-2220-1R0	1	10 / 5	10	7.96	95	0.03	1800
AIMS-2220-1R2	1.2	10 / 5	10	7.96	70	0.035	1700
AIMS-2220-1R5	1.5	10 / 5	10	7.96	55	0.04	1600
AIMS-2220-1R8	1.8	10 / 5	10	7.96	47	0.05	1400
AIMS-2220-2R2	2.2	10 / 5	10	7.96	42	0.06	1300
AIMS-2220-2R7	2.7	10 / 5	10	7.96	37	0.07	1200
AIMS-2220-3R3	3.3	10 / 5	10	7.96	34	0.08	1120
AIMS-2220-3R9	3.9	10 / 5	10	7.96	32	0.09	1050
AIMS-2220-4R7	4.7	10 / 5	10	7.96	29	0.11	950
AIMS-2220-5R6	5.6	10 / 5	10	7.96	26	0.13	880
AIMS-2220-6R8	6.8	10 / 5	10	7.96	24	0.15	810
AIMS-2220-8R2	8.2	10 / 5	10	7.96	22	0.18	750
AIMS-2220-100	10	10 / 5	10	2.52	19	0.21	690
AIMS-2220-120	12	10 / 5	10	2.52	17	0.25	630
AIMS-2220-150	15	10 / 5	10	2.52	16	0.3	580
AIMS-2220-180	18	10 / 5	10	2.52	14	0.36	530
AIMS-2220-220	22	10 / 5	10	2.52	13	0.43	480
AIMS-2220-270	27	10 / 5	10	2.52	11.5	0.52	440
AIMS-2220-330	33	10 / 5	10	2.52	10.5	0.62	400
AIMS-2220-390	39	10 / 5	10	2.52	9.5	0.72	370
AIMS-2220-470	47	10 / 5	10	2.52	8.5	0.85	340
AIMS-2220-560	56	10 / 5	10	2.52	7.8	1.0	310
AIMS-2220-680	68	10 / 5	10	2.52	7	1.2	290
AIMS-2220-820	82	10 / 5	10	2.52	6.4	1.4	270
AIMS-2220-101	100	10 / 5	20	0.796	6	1.6	250
AIMS-2220-121	120	10 / 5	20	0.796	5.4	1.9	230
AIMS-2220-151	150	10 / 5	20	0.796	4.8	2.2	210
AIMS-2220-181	180	10 / 5	20	0.796	4.4	2.8	190
AIMS-2220-221	220	10 / 5	20	0.796	3.9	3.4	170
AIMS-2220-271	270	10 / 5	20	0.796	3.6	4.2	155
AIMS-2220-331	330	10 / 5	20	0.796	3.2	4.9	140
AIMS-2220-391	390	10 / 5	20	0.796	2.9	5.8	130
AIMS-2220-471	470	10 / 5	20	0.796	2.6	7.0	120
AIMS-2220-561	560	10 / 5	20	0.796	2.4	8.5	110
AIMS-2220-681	680	10 / 5	20	0.796	2.2	10	100
AIMS-2220-821	820	10 / 5	20	0.796	2	13	90
AIMS-2220-102	1000	10 / 5	20	0.252	1.8	15	85

## OPTIONS & PART IDENTIFICATION:

(Left blank if standard)

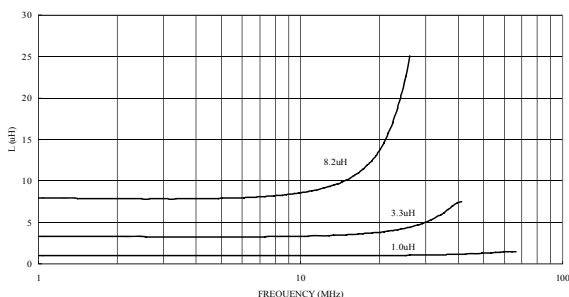
AIMS - 2220 - □□□ - □ - □

**Inductance**  
Please refer to the tables

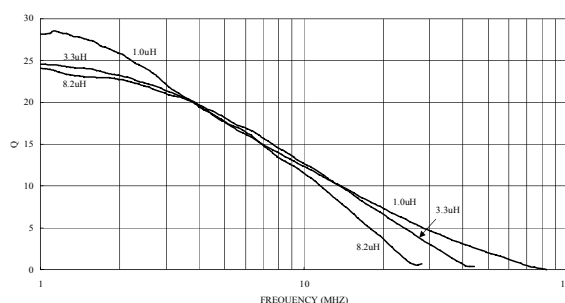
**Tolerance**  
J=±5%, K=±10%

**Packaging**  
T | Tape and Reel

INDUCTANCE vs. FREQUENCY CHARACTERISTICS



Q vs. FREQUENCY CHARACTERISTICS



ABRACON IS  
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AIMS-2220

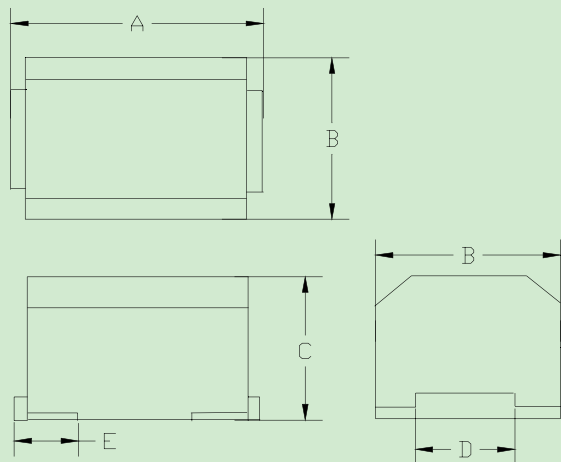


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5.8 x 5.2 x 5.2mm

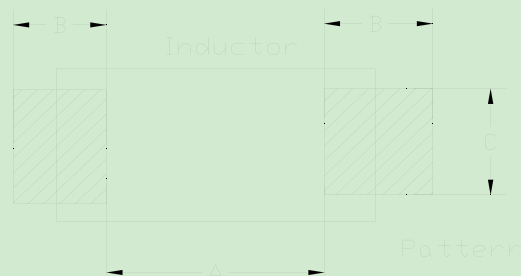
## OUTLINE DRAWING:



Dimensions: Inches  
(mm)

TYPE	A	B	C	D	E
AIMS-2220-xxx	0.228±0.012 (5.8±0.3)	0.205±0.012 (5.2±0.3)	0.205±0.012 (5.2±0.3)	0.071±0.012 (1.8±0.3)	0.051±0.008 (1.3±0.2)

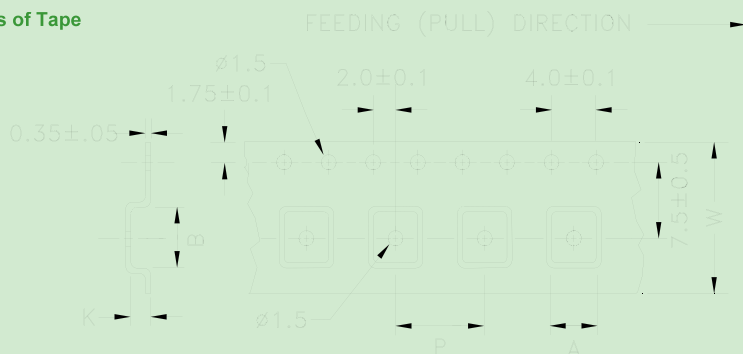
## Recommended Land Pattern



TYPE	A	B	C
AIMS-2220	0.157 (4.0)	0.079 (2.0)	0.177 (4.5)

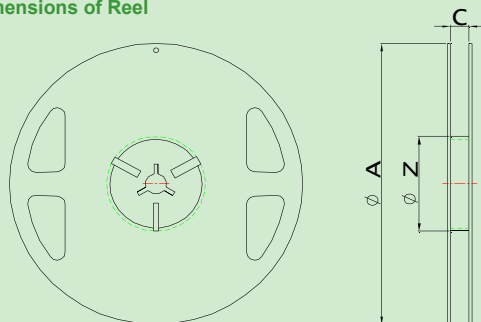
## TAPE & REEL: Tape and reel 1,000pcs/reel

### Dimensions of Tape



ABRACON P/N	A (mm)	B (mm)	K (mm)	P (mm)	T (mm)	W (mm)	PCS/REEL
AIMS-2220	5.3 ± 0.1	6.1 ± 0.1	5.5 ± 0.1	12.0 ± 0.1	0.35 ± 0.05	16.0 ± 0.3	1000

### Dimensions of Reel



series	A	C	Z
AIMS-2220	330 - 0.5	12.4 + 2.0	100 ± 1.0

Dimensions: mm

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