

MULTILAYER CHIP CERAMIC INDUCTORS

AIMC-0201



RoHS
Compliant



0.6 x 0.3 x 0.3mm

FEATURES:

- High self-resonant frequency
- Multilayer monolithic construction yields high reliability
- Excellent solderability & heat resistance for reflow soldering

APPLICATIONS:

- Bluetooth
- Mobile phones such as GSM, CDMA, PDC
- High frequency telecommunication circuits
- Other high frequency circuit general use

STANDARD SPECIFICATIONS:

PARAMETERS

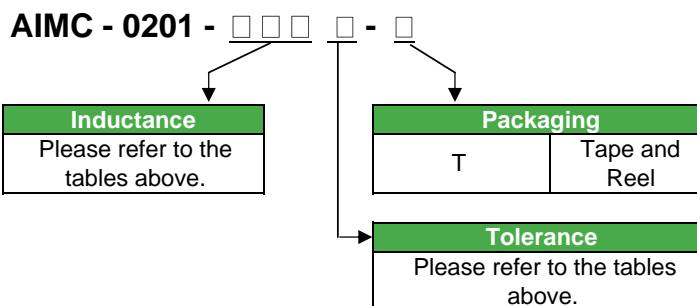
ABRACON P/N:	AIMC-0201-xxx Series
Operating temperature:	-55°C to + 125°C
Storage temperature:	-55°C to + 125°C

Part No.	L(nH)	Tolerance	L,Q Test Freq.	Q (MIN)	SRF(MHz)	DCR(Ω)	Ir(mA)
		(nH or %)	(MHz)		(min)	(max)	(max)
AIMC-0201-1N0	1	S: ±0.3nH D: ±0.5nH G: ±2% J: ±5% K: ±10%	100	4	>10000	0.15	170
AIMC-0201-1N2	1.2		100	4	>10000	0.15	170
AIMC-0201-1N5	1.5		100	4.1	>10000	0.15	170
AIMC-0201-1N8	1.8		100	4.1	>10000	0.2	170
AIMC-0201-2N2	2.2		100	4.2	>10000	0.2	150
AIMC-0201-2N7	2.7		100	3.9	>10000	0.25	150
AIMC-0201-3N3	3.3		100	4.3	>10000	0.3	150
AIMC-0201-3N9	3.9		100	5.5	>10000	0.35	150
AIMC-0201-4N7	4.7		100	5.6	9600	0.4	150
AIMC-0201-5N6	5.6		100	4.7	9100	0.45	150
AIMC-0201-6N8	6.8		100	4.7	8400	0.5	150
AIMC-0201-8N2	8.2		100	4.4	7600	0.6	150
AIMC-0201-10N	10		100	5	6700	0.7	150
AIMC-0201-12N	12		100	5	5500	0.8	150
AIMC-0201-15N	15		100	5	4200	0.9	150
AIMC-0201-18N	18		100	5	3000	1	150

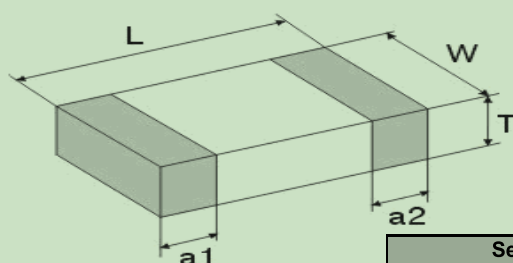
Ir is the rated current applied when the chip surface temperature rises 20°C

OPTIONS AND PART IDENTIFICATION:

(Left blank if standard)



OUTLINE DRAWING:



Dimension: Inches (mm)

Series	L	W	T	a1,a2
AIMC-0201	0.024±0.002	0.012±0.002	0.012±0.002	0.004~0.008
	(0.60 ± 0.05)	(0.30 ± 0.05)	(0.30 ± 0.05)	(0.10 ~ 0.20)

ABRACON IS
ISO 9001 / QS 9000
CERTIFIED



Visit www.abracon.com for Terms & Conditions of Sale **Revised: 10.09.07**
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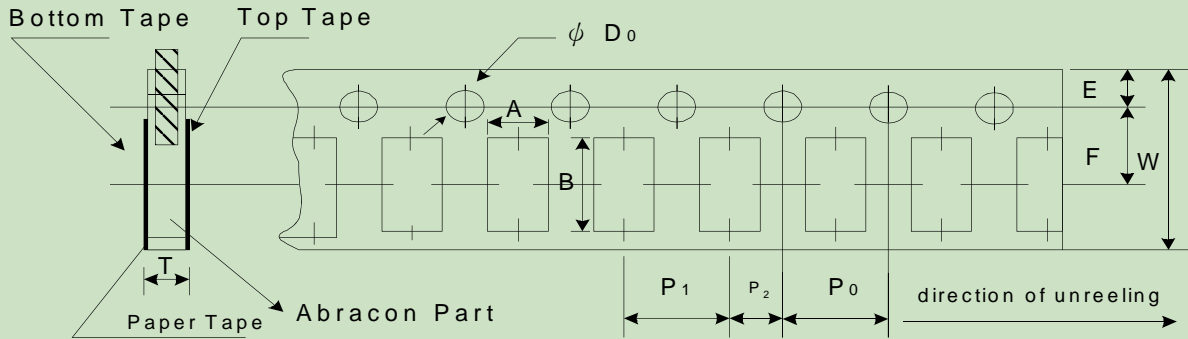
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0.6 x 0.3 x 0.3mm

TAPE & REEL: T = Tape and reel 15,000pcs/reel

Dimensions of Tape

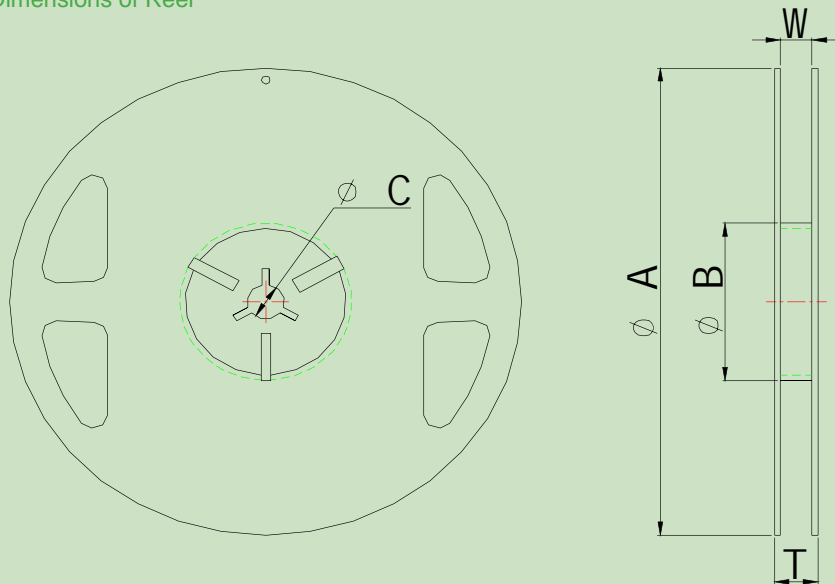


Codes	A	B	W	E	F
AIMC-0201	0.40±0.05	0.70±0.05	8.00±0.10	1.75±0.05	3.5±0.05

Codes	P ₀	P ₁	P ₂	ΦD ₀	T
AIMC-0201	4.00±0.10	4.00±0.05	2.00±0.05	1.55±0.05	0.265±0.05

Dimensions: mm

Dimensions of Reel



	mm
A	178±2
B	60±2
C	13.0±0.5
W	10.0±1.15
T	12.0±1.0