

MULTILAYER CHIP CERAMIC INDUCTORS

AIMC-0402



RoHS
Compliant



1.0 x 0.5 x 0.5mm

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-0402-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-0402-1N0	1.0	C: ±0.2nH S: ±0.3nH D: ±0.5nH G: ±2% J: ±5% K: ±10%	100	9	>10000	0.08	400
AIMC-0402-1N2	1.2		100	9	>10000	0.08	400
AIMC-0402-1N5	1.5		100	9	>10000	0.1	400
AIMC-0402-1N8	1.8		100	9	>10000	0.12	400
AIMC-0402-2N2	2.2		100	9	9000	0.12	400
AIMC-0402-2N7	2.7		100	9	9000	0.13	400
AIMC-0402-3N3	3.3		100	9	8000	0.15	400
AIMC-0402-3N9	3.9		100	9	7000	0.21	400
AIMC-0402-4N7	4.7		100	9	6000	0.21	300
AIMC-0402-5N6	5.6		100	9	5000	0.23	300
AIMC-0402-6N8	6.8		100	9	4500	0.25	300
AIMC-0402-8N2	8.2		100	9	4200	0.35	300
AIMC-0402-10N	10		100	9	4000	0.42	300
AIMC-0402-12N	12		100	9	3500	0.5	300
AIMC-0402-15N	15		100	9	2500	0.6	300
AIMC-0402-18N	18		100	9	2200	0.8	300
AIMC-0402-22N	22		100	9	1900	0.85	300
AIMC-0402-27N	27		100	9	1600	1	300
AIMC-0402-33N	33		100	9	1300	1	200
AIMC-0402-39N	39		100	9	1200	1.3	200
AIMC-0402-47N	47	100	9	1000	1.5	200	
AIMC-0402-56N	56	100	10	750	1.8	200	
AIMC-0402-68N	68	100	10	750	1.95	200	
AIMC-0402-82N	82	100	10	600	2.1	150	
AIMC-0402-R10	100	100	10	600	2.5	150	
AIMC-0402-R12	120	100	10	600	2.8	150	

OPTIONS AND PART IDENTIFICATION:

(Left blank if standard)

AIMC - 0402 - Inductance -

Inductance
Please refer to the tables above.

Packaging
T Tape and Reel

Tolerance
Please refer to the tables above.

ABRACON IS
ISO 9001 / QS 9000
CERTIFIED



Visit www.abracon.com for Terms & Conditions of Sale **Revised: 08.07.07**
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AIMC-0402

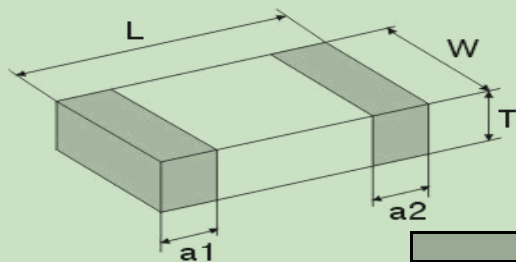


RoHS
Compliant



1.0 x 0.5 x 0.5mm

OUTLINE DRAWING:

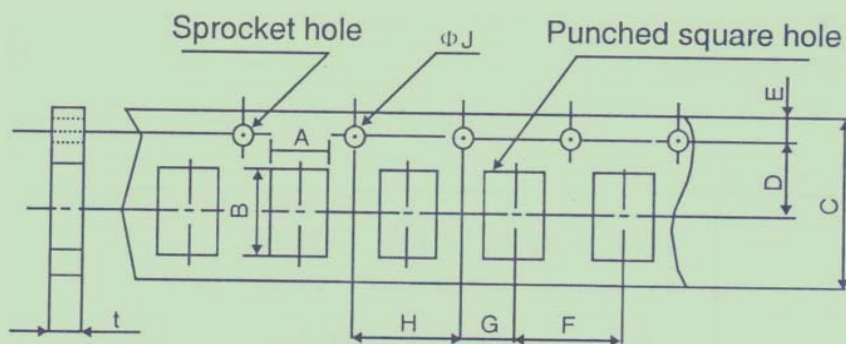


Dimensions: mm

Series	L	W	T	a1,a2
AIMC-0402	0.04±0.006 (1.00±0.15)	0.02±0.006 (0.50±0.15)	0.02±0.006 (0.50±0.15)	0.01±0.004 (0.25±0.10)

TAPE & REEL: T = Tape and reel 10,000pcs/reel

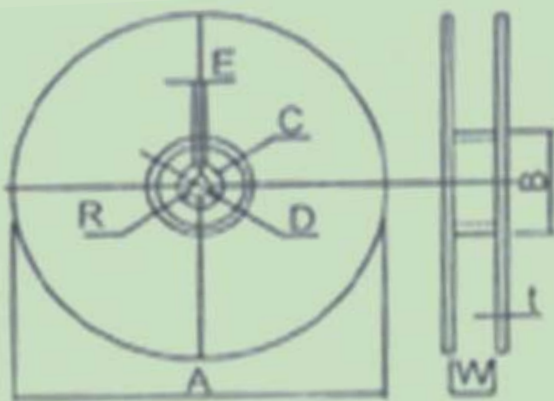
Dimensions of Tape



Type	0402
T*	0.5±0.15
	Paper
	carrier tape
A	0.65±0.15
B	1.3±0.15
C	8.0±0.3
D	3.5±0.05
E	1.75±0.1
F	2.0±0.05
G	2.0±0.05
H	4.0±0.1
ΦJ	1.5±0.1/-0
t(max)	0.8±0.05

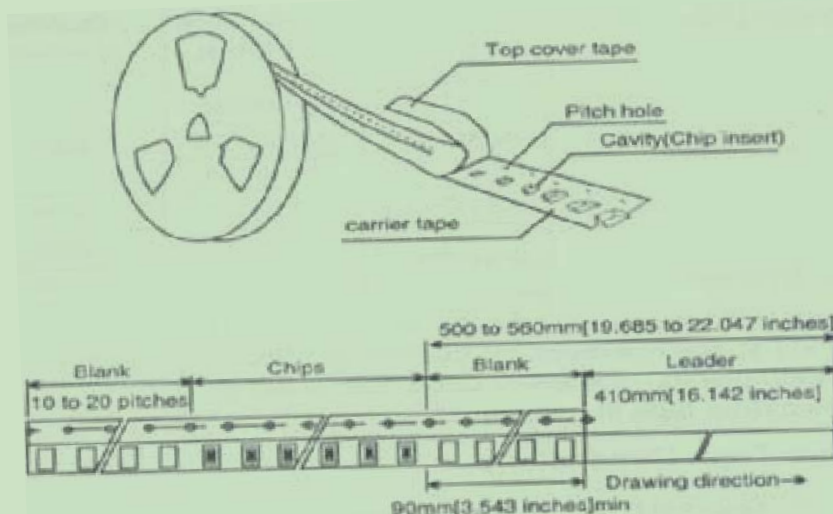
T*: Product thickness

Dimensions of Reel



	mm
A	178±2
B	60±2
C	13.0±0.5
D	21.0±0.8
E	2.0±0.5
W	10.0±1.15
t	1.2±0.2
R	1.0±0.25

Taping figure and drawing direction



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