

# MULTILAYER CHIP CERAMIC INDUCTORS

AIMC-0805



**RoHS**  
Compliant



2.00 x 1.25 x 0.85mm

## 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:

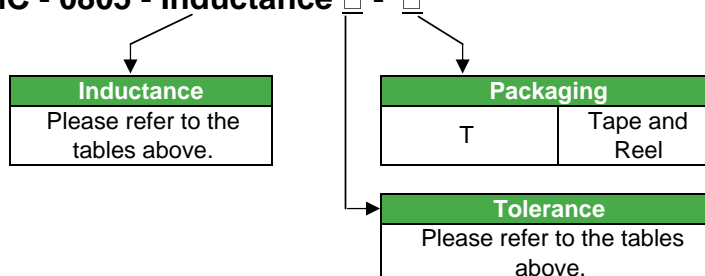
### PARAMETERS

ABRACON P/N:	AIMC-0805-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( $\Omega$ )	Ir(mA)
		(nH or %)	(MHz)		(min)	(max)	(max)
AIMC-0805-1N5	1.5	C: $\pm 0.2$ nH S: $\pm 0.3$ nH D: $\pm 0.5$ nH G: $\pm 2\%$ J: $\pm 5\%$ K: $\pm 10\%$	10	100	6000	0.1	600
AIMC-0805-1N8	1.8		10	100	6000	0.1	600
AIMC-0805-2N2	2.2		10	100	6000	0.1	600
AIMC-0805-2N7	2.7		12	100	6000	0.1	600
AIMC-0805-3N3	3.3		12	100	6000	0.13	600
AIMC-0805-3N9	3.9		12	100	5400	0.15	600
AIMC-0805-4N7	4.7		12	100	4000	0.2	400
AIMC-0805-5N6	5.6		15	100	3500	0.23	400
AIMC-0805-6N8	6.8		15	100	2800	0.25	400
AIMC-0805-8N2	8.2		15	100	2400	0.28	400
AIMC-0805-10N	10		15	100	2100	0.3	300
AIMC-0805-12N	12		15	100	1900	0.35	300
AIMC-0805-15N	15		15	100	1800	0.4	300
AIMC-0805-18N	18		15	100	1500	0.45	300
AIMC-0805-22N	22		15	100	1400	0.5	300
AIMC-0805-27N	27		15	100	1300	0.55	300
AIMC-0805-33N	33		15	100	1200	0.6	300
AIMC-0805-39N	39		15	100	1000	0.65	300
AIMC-0805-47N	47		15	100	900	0.7	300
AIMC-0805-56N	56		15	100	800	0.75	300
AIMC-0805-68N	68		15	100	700	0.8	300
AIMC-0805-82N	82		15	100	600	0.9	300
AIMC-0805-R10	100		15	100	600	0.9	300
AIMC-0805-R12	120		13	100	500	0.95	300
AIMC-0805-R15	150		13	50	500	1	300
AIMC-0805-R18	180		13	50	400	1.2	300
AIMC-0805-R22	220		12	50	350	1.4	300
AIMC-0805-R27	270		12	50	300	1.7	300
AIMC-0805-R33	330	12	50	250	2	300	
AIMC-0805-R39	390	10	50	250	2.5	300	
AIMC-0805-R47	470	10	50	200	2.8	300	

## OPTIONS AND PART IDENTIFICATION:

(Left blank if standard) **AIMC - 0805 - Inductance**  -



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CERTIFIED



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AIMC-0805

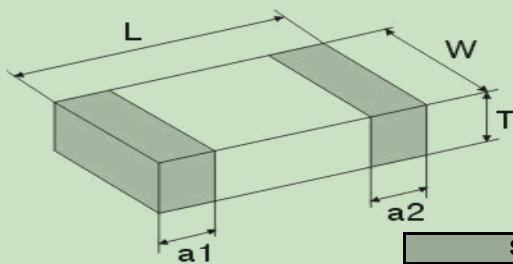


RoHS  
Compliant



2.00 x 1.25 x 0.85mm

## OUTLINE DRAWING:

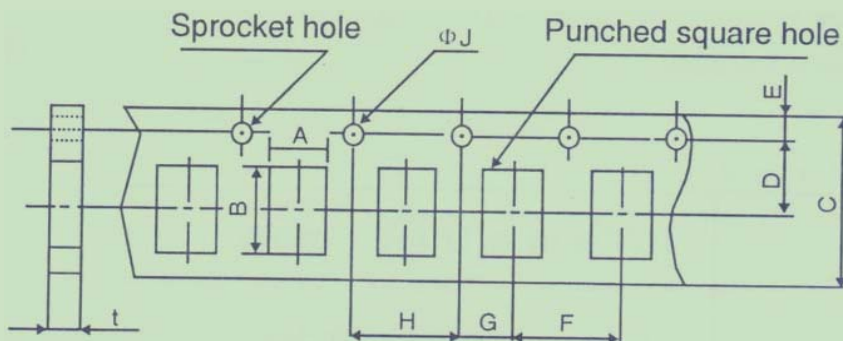


Dimensions: mm

Series	L	W	T	a1,a2
AIMC-0805	0.079±0.008	0.049±0.008	0.033±0.012	0.02±0.012
	(2.00±0.20)	(1.25±0.20)	(0.85±0.30)	(0.50±0.30)

## TAPE & REEL: T = Tape and reel 4,000pcs/reel

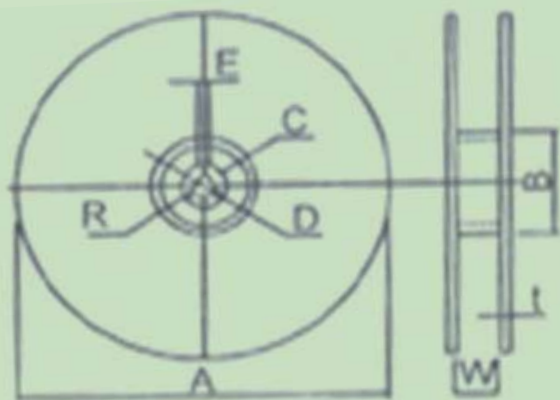
### Dimensions of Tape



Type	0805
T*	0.85±0.2
	Paper
	carrier tape
A	1.5±0.15
B	2.5±0.2
C	8.0±0.3
D	3.5±0.05
E	1.75±0.1
F	4.0±0.1
G	2.0±0.05
H	4.0±0.1
ΦJ	1.5±0.1/-0
t(max)	1.1±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

