

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	Q	SRF(MHz)	DCR(Ω)	Ir(mA)
			Freq. (MHz)				
					(min)	(max)	(max)
AIMC-0805-1N5	1.5	S, D	100	10	6000	0.10	600
AIMC-0805-1N8	1.8	S, D	100	10	6000	0.10	600
AIMC-0805-2N2	2.2	S, D	100	10	6000	0.10	600
AIMC-0805-2N7	2.7	S, D	100	12	6000	0.10	600
AIMC-0805-3N3	3.3	S, D, K	100	12	6000	0.13	600
AIMC-0805-3N9	3.9	S, D, K	100	12	5400	0.15	600
AIMC-0805-4N7	4.7	S, D, K	100	12	4000	0.20	400
AIMC-0805-5N6	5.6	S, D, K	100	15	3500	0.23	400
AIMC-0805-6N8	6.8	J, K	100	15	2800	0.25	400
AIMC-0805-8N2	8.2	J, K	100	15	2400	0.28	400
AIMC-0805-10N	10	J, K	100	15	2100	0.30	300
AIMC-0805-12N	12	J, K	100	15	1900	0.35	300
AIMC-0805-15N	15	J, K	100	15	1800	0.40	300
AIMC-0805-18N	18	J, K	100	15	1500	0.45	300
AIMC-0805-22N	22	J, K	100	15	1400	0.50	300
AIMC-0805-27N	27	J, K	100	15	1300	0.55	300
AIMC-0805-33N	33	J, K	100	15	1200	0.60	300
AIMC-0805-39N	39	J, K	100	15	1000	0.65	300
AIMC-0805-47N	47	J, K	100	15	900	0.70	300
AIMC-0805-56N	56	J, K	100	15	800	0.75	300
AIMC-0805-68N	68	J, K	100	15	700	0.80	300
AIMC-0805-82N	82	J, K	100	15	600	0.90	300
AIMC-0805-R10	100	J, K	100	15	600	0.90	300
AIMC-0805-R12	120	J, K	100	13	500	0.95	300
AIMC-0805-R15	150	J, K	50	13	500	1.00	300
AIMC-0805-R18	180	J, K	50	13	400	1.20	300
AIMC-0805-R22	220	J, K	50	12	350	1.40	300

Test Conditions

L, Q: HP4291 Impedance Analyzer, 100MHz, 50mV
DCR: HP4263A LCR meter

SRF: HP4291 Impedance analyzer, HP8753 Network analyzer

Ir: DC Power Supplier, Current Meter, Thermometer.
ΔL/L (initial) ≥ -5% or ΔT ≤ 20°C

Unless otherwise specified

Temperature : Ordinary Temperature (5 to 35°C)

Humidity : Ordinary Humidity (25 to 85% RH)

Atmospheric Pressure : 86 to 106 kPa

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-34970699
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

OPTIONS AND PART IDENTIFICATION: (Left blank if standard)

AIMC-0805- [] [] - []

Inductance Code
Please refer to
Electrical Spec Table

Tolerance
S: ±0.3nH*
D: ±0.5nH*
J: ±0.5%*
K: ±10%*

Packaging
T: Tape and Reel (4kpcs / reel)

*S for L = 1.5 ~ 5.6nH
 D for L = 1.5 ~ 5.6nH
 J for L = 6.8 ~ 220nH
 K for L = 3.3 ~ 220nH

ABRACON IS
ISO9001: 2008
CERTIFIED



Visit www.abracon.com for Terms & Conditions of Sale

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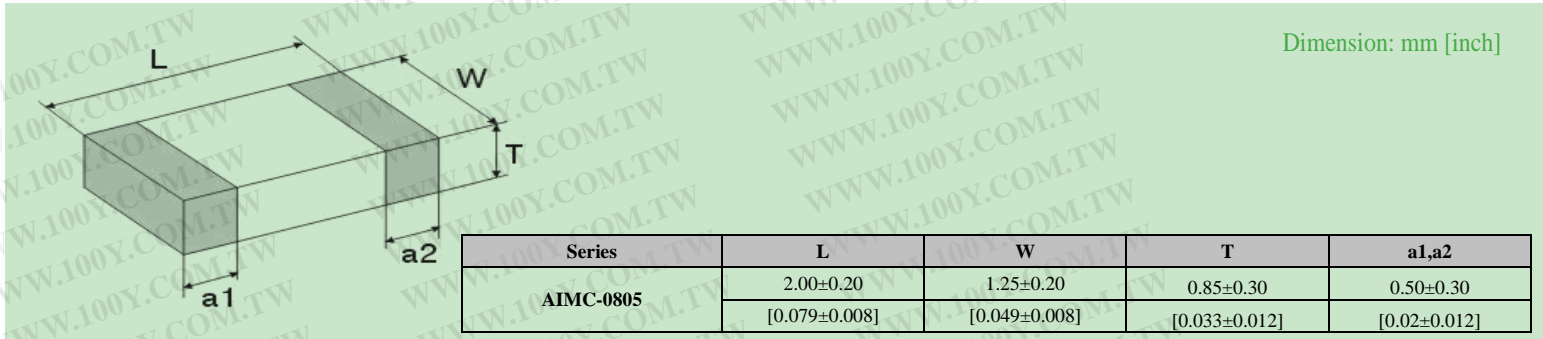


2.00 x 1.25 x 0.85mm

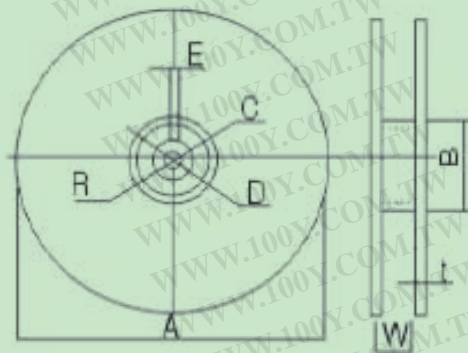
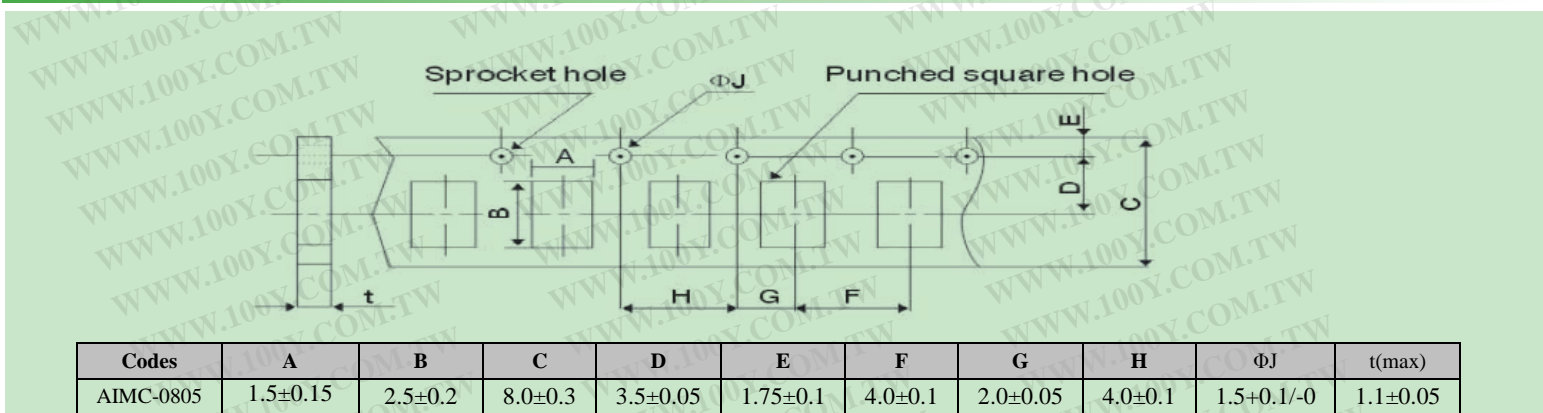
RoHS

AIMC-0805

OUTLINE DRAWING:



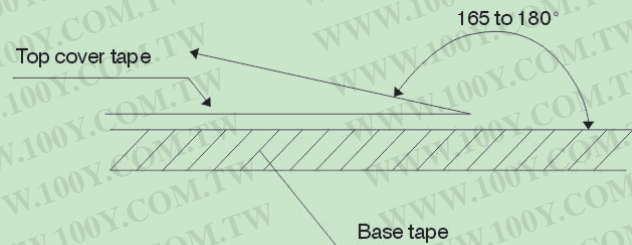
TAPE & REEL: T = Tape and reel 4,000pcs/reel



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

Peeling strength of cover tape

0.3~0.7N (30gf~70gf)



Test condition:

- 1) peel angle: 165°~180° vs. carrier tape.
- 2) peel speed: 300 mm/min±10%.

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Dimension: mm