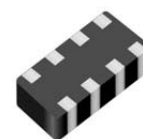


Multilayer Chip Bead Array

ACBA-0805

RoHS
Compliant



2.0 x 1.2 x 0.8 mm

MSL level: 2A (This product is packed with dry packaging)

FEATURES:

- Integrated two common mode choke coils
- Effective for suppressing common mode noise at high frequency
- Excellent solderability
- Compact design

APPLICATIONS:

- Common mode noise suppression of differential signal lines in high speed and high-density digital equipment such as IEEE1394, LVDS, Digital Camera, Scanner, etc.
- Digital audio and video equipment such as PDA, DSC, DVC, CD player, DVD player, etc

STANDARD SPECIFICATIONS:

Operating Temperature: -40°C ~ +85°C

Storage Temperature: -10°C to +40°C, 70% RH max

Part Number ACBA-0805- Impedance Code	Common Mode Impedance Z	Test Freq.	DC Resistance Rdc	Rated Current Ir	Insulation Resistance
	(Ω) ±25%	(MHz)	(Ω), Max	(mA), Max	kΩ, Min
ACBA-0805-670	67	100	0.5	160	100
ACBA-0805-900	90	100	1.0	130	100
ACBA-0805-121	120	100	1.5	110	100

Test Conditions

Unless otherwise specified, the standard atmospheric conditions for measurement/test as:

- a. Ambient Temperature: 20±15°C
- b. Relative Humidity: 65%±20%
- c. Air Pressure: 86 KPa to 106 KPa

Visual Examination

- a. Inspection Equipment: 20X magnifier

Electrical Test

- a. Impedance Analyzer: HP4991A.

OPTIONS AND PART IDENTIFICATION:

ACBA-0805- -

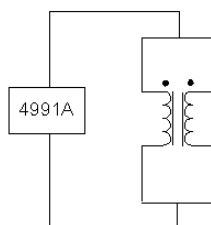
Impedance Code

Please refer to
Electrical Spec table

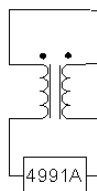
Packaging

T: Tape and Reel
(4kpcs / reel)

TEST CIRCUIT:



Common Mode Impedance Test



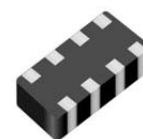
Differential Mode Impedance Test



Multilayer Chip Bead Array

ACBA-0805

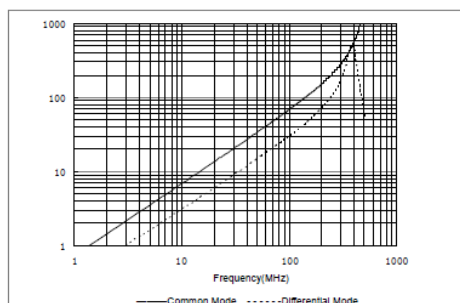
RoHS
Compliant



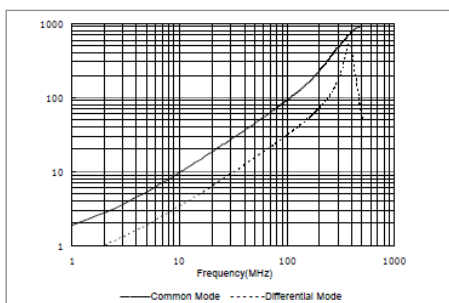
2.0 x 1.2 x 0.8 mm

ELECTRICAL CHARACTERISTIC CURVES:

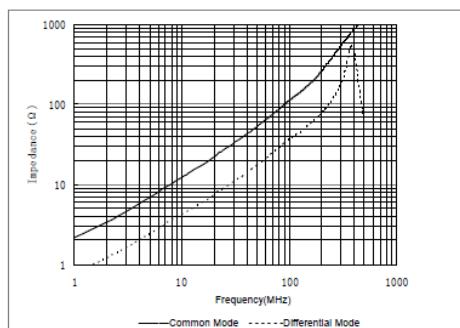
ACBA-0805-670



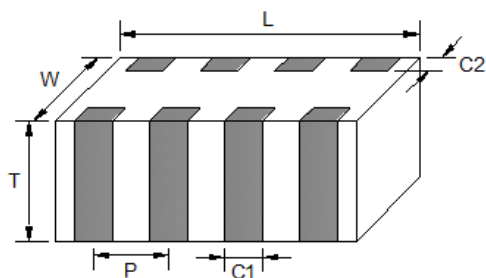
ACBA-0805-900



ACBA-0805-121

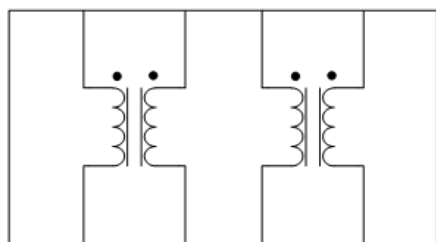


OUTLINE DIMENSIONS:

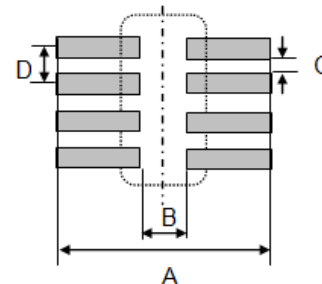


L	W	T	C1	C2	P
2.0±0.15	1.2±0.15	0.8±0.1	0.25±0.15	0.25±0.15	0.50±0.1

Schematic



Recommended Land Pattern



A	B	C	D
1.5~1.8	0.5~0.6	0.2~0.25	0.45~0.55

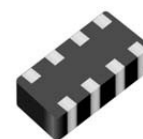
Dimension: mm



Multilayer Chip Bead Array

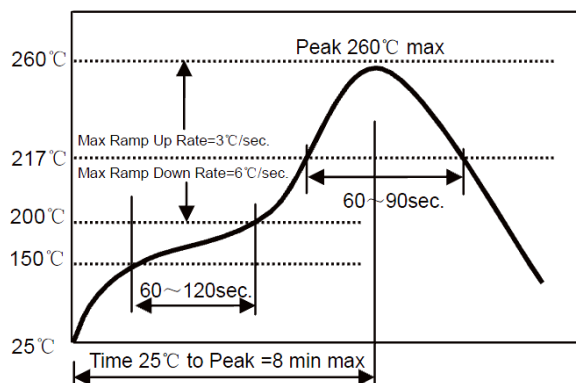
ACBA-0805

RoHS
Compliant



2.0 x 1.2 x 0.8 mm

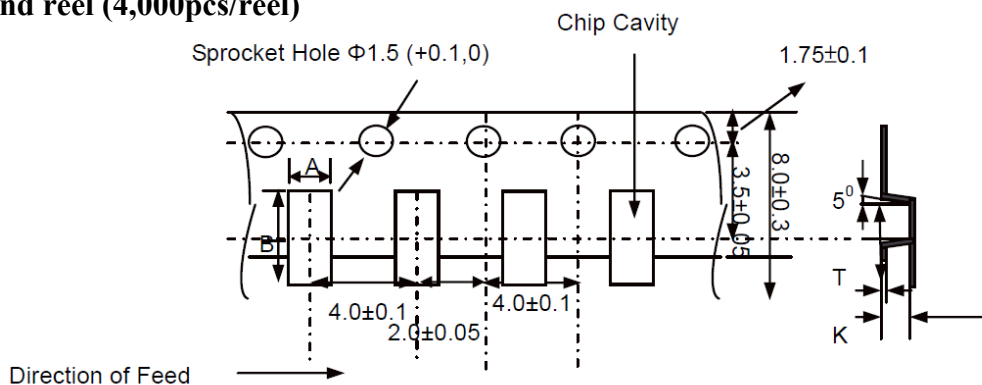
REFLOW PROFILE:



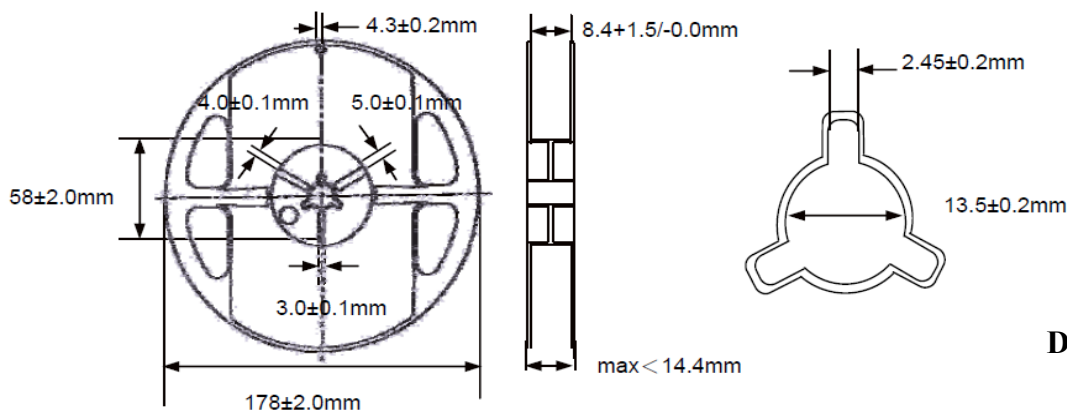
Preheat Condition	150 to 200 °C; 60 to 120 sec.
Allowed time above 217 °C	60 to 90 sec.
Max temperature	260 °C
Max time at max temperature	10 sec.
Solder paste	Sn/3.0Ag/0.5Cu
Allowed Reflow time	2x max.

TAPE & REEL:

T= tape and reel (4,000pcs/reel)



A	B	K max	T max
1.42±0.10	2.25±0.10	1.14	0.27



Dimension: mm

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