



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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# SMD Multilayer Chip Bead

ACML-0201



RoHS  
Compliant



0.6 x 0.3 x 0.3 mm

## FEATURES:

- Internal silver printed layers and magnetically shielded to minimize crosstalk
- Substantial EMI suppression over a wide frequency range
- Excellent solderability and heat resistance

## APPLICATIONS:

- Noise suppression for computers and peripheral devices, DVD cameras, LCD TVs, communication equipments, OA equipments, etc.
- Reduces noise in ultra high speed circuits as well

## STANDARD SPECIFICATIONS:

**Operating Temperature:** -55°C ~ +125°C

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

Part No.	Z(Ω) ± 25%	Z Test Freq.	DCR (Ω)	Ir (mA)
		(MHz)	(max)	(max)
ACML-0201-600	60	100	0.40	200
ACML-0201-800	80	100	0.60	200
ACML-0201-121	120	100	0.80	200
ACML-0201-241	240	100	1.00	200
ACML-0201-471	470	100	1.40	200
ACML-0201-601	600	100	1.70	200

### Test Conditions and equipments

**Z:** High Accuracy RF Impedance/Material Analyzer -E4991A, 100MHz, -20dBm or 50mV

**DCR:** High Accuracy Milliohmmeter –HP4338B

**Ir:** Electric Power Supply, Electric Current Meter, Thermometer.  $\Delta T \leq 20^\circ C$

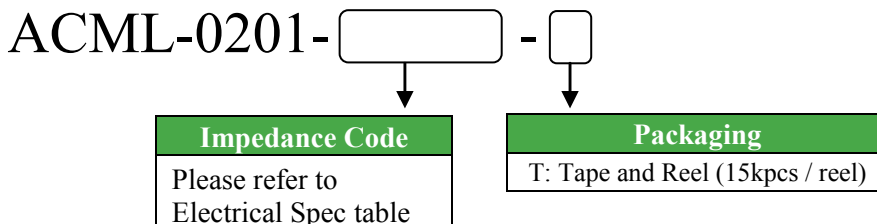
**Unless otherwise specified, the standard atmospheric conditions for measurement/test as:**

- 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

## OPTIONS AND PART IDENTIFICATION:



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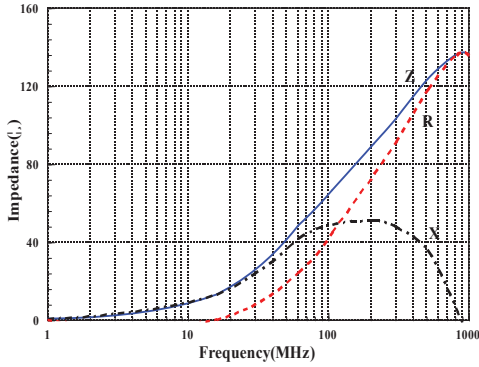
RoHS  
Compliant



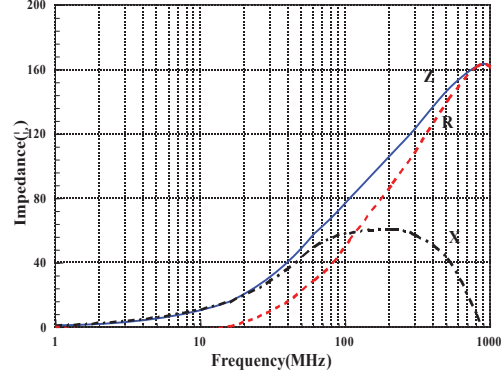
0.6 x 0.3 x 0.3 mm

## FREQUENCY RESPONSE

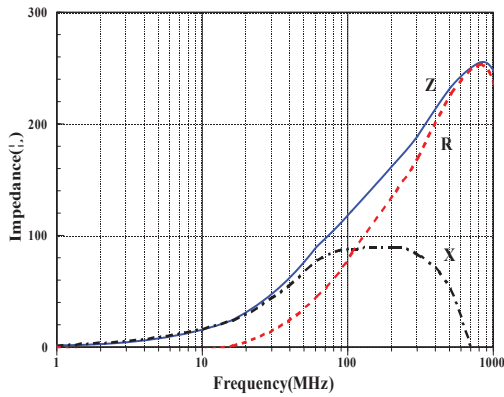
ACML-0201-600



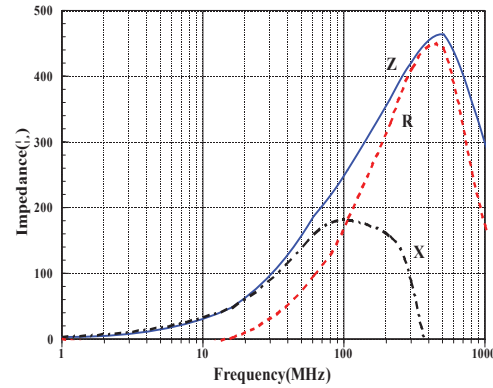
ACML-0201-800



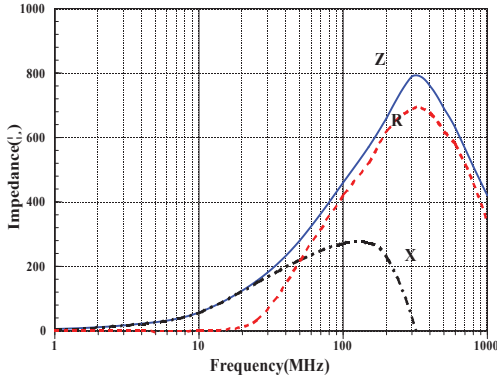
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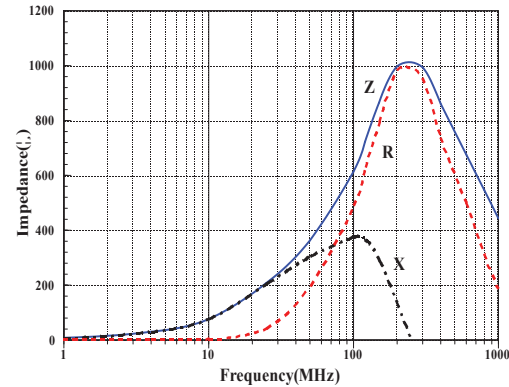
ACML-0201-241



ACML-0201-471



ACML-0201-601



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# SMD Multilayer Chip Bead

**ACML-0201**

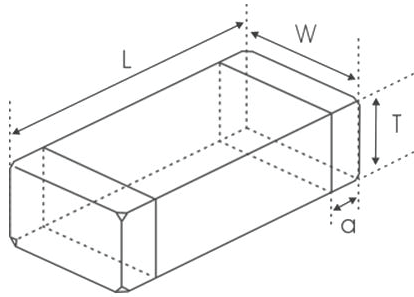


**RoHS**  
Compliant

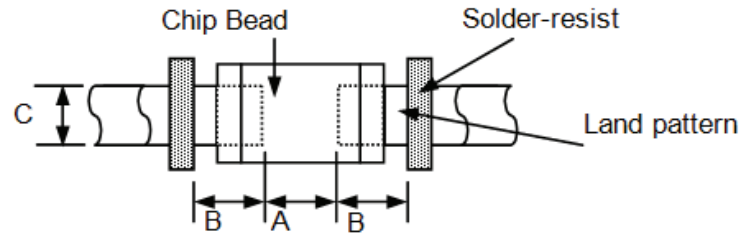


0.6 x 0.3 x 0.3 mm

## OUTLINE DRAWING:



### Recommended Land Pattern



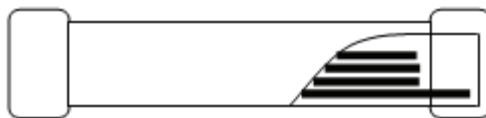
A	B	C
0.2~0.3	0.2~0.3	0.3~0.35

Series	L	W	T	a
ACML-0201	0.6±0.05 [0.024±0.002]	0.3±0.05 [0.012±0.002]	0.3±0.05 [0.012±0.002]	0.15±0.05 [0.006±0.002]

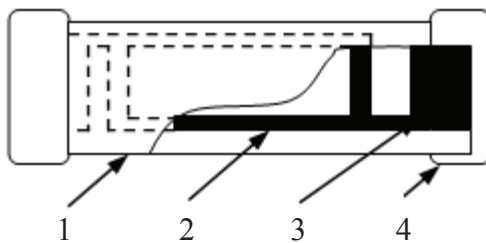
Dimension: mm [inch]

### Materials

Side View



Top View



	Part Name	Material
1	Base Material	Ferrite
2	Internal Conductor	Ag
3	Pull out Electrode	Ag
4	Terminal Electrode	Ag (Inner layer) Ni-Sn (Outer layer)

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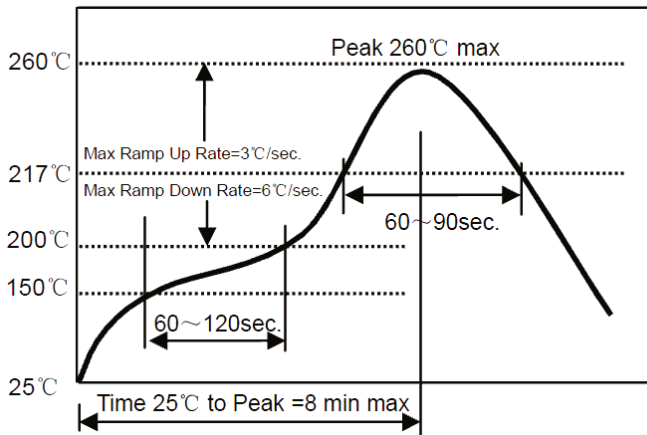


RoHS  
Compliant



0.6 x 0.3 x 0.3 mm

## REFLOW PROFILE:

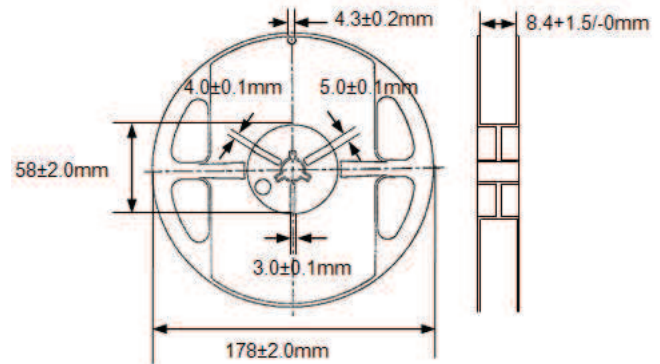
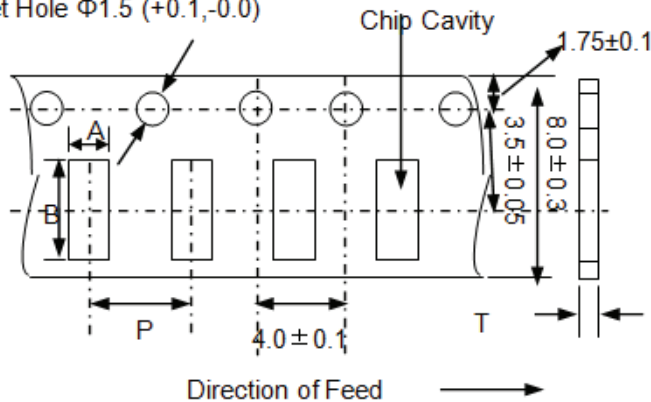


Preheat Condition	150 to 200 °C; 60 to 120 sec.
Albwd time above 217 °C	60 to 90 sec.
Max temperature	260 °C
Max time at max temperature	10 sec.
Solder paste	Sn/3.0Ag/0.5Cu
Allowed Reflow time	2x max.

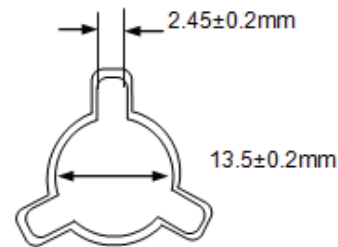
## TAPE & REEL:

T: 15,000pcs / reel

Sprocket Hole  $\Phi 1.5 (+0.1, -0.0)$



A	B	P	t(max)
0.40±0.1	0.70±0.1	2.0±0.1	0.55



Dimension: mm

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