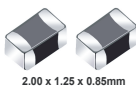


## 0805 Multilayer Ferrite Chip Bead

ACML-0805



2.00 x 1.25 x 0.85mm

### FEATURES:

- Multilayer monolithic construction yields high reliability
- Nickel barrier terminations provide excellent solder heat resistance
- Suitable for flow and RoHS reflow soldering

### APPLICATIONS:

- Video equipment, audio equipment
- Automotive electrical equipment
- Communication equipment
- OA equipment and other

### ELECTRICAL SPECIFICATIONS:

#### PARAMETERS

Operating temperature: -55°C to + 125°C

Storage temperature: -55°C to + 125°C

| Part Number   | Impedance         | Frequency | DC resistance | Rated Current |
|---------------|-------------------|-----------|---------------|---------------|
| Units         | $\Omega \pm 25\%$ | MHz       | $\Omega$ max  | mA max        |
| Symbol        | Z                 | F         | $R_{DC}$      | $I_R$         |
| ACML-0805-070 | 7                 | 100       | 0.05          | 2200          |
| ACML-0805-110 | 11                | 100       | 0.05          | 2000          |
| ACML-0805-170 | 17                | 100       | 0.05          | 2000          |
| ACML-0805-190 | 19                | 100       | 0.05          | 2000          |
| ACML-0805-260 | 26                | 100       | 0.05          | 1500          |
| ACML-0805-310 | 31                | 100       | 0.05          | 1500          |
| ACML-0805-360 | 36                | 100       | 0.05          | 1500          |
| ACML-0805-050 | 50                | 100       | 0.05          | 1000          |
| ACML-0805-060 | 60                | 100       | 0.05          | 1000          |
| ACML-0805-070 | 70                | 100       | 0.08          | 1000          |
| ACML-0805-080 | 80                | 100       | 0.10          | 1000          |
| ACML-0805-101 | 100               | 100       | 0.12          | 1000          |
| ACML-0805-121 | 120               | 100       | 0.15          | 800           |
| ACML-0805-151 | 150               | 100       | 0.15          | 800           |
| ACML-0805-181 | 180               | 100       | 0.20          | 600           |
| ACML-0805-221 | 220               | 100       | 0.20          | 600           |
| ACML-0805-301 | 300               | 100       | 0.25          | 500           |
| ACML-0805-501 | 500               | 100       | 0.30          | 500           |
| ACML-0805-601 | 600               | 100       | 0.35          | 500           |
| ACML-0805-751 | 750               | 100       | 0.35          | 300           |
| ACML-0805-102 | 1000              | 100       | 0.45          | 300           |
| ACML-0805-122 | 1200              | 50        | 0.50          | 200           |
| ACML-0805-152 | 1500              | 50        | 0.65          | 200           |
| ACML-0805-202 | 2000              | 50        | 0.80          | 200           |

Note  $I_R$ : Rated current applied when the chip surface temperature rise 20°C

Impedance is measured on 50mV as the frequency in the table by HP4291.

DCR measuring equipment: LCR Meter HP4263A or equivalent

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# 0805 Multilayer Ferrite Chip Bead

ACML-0805



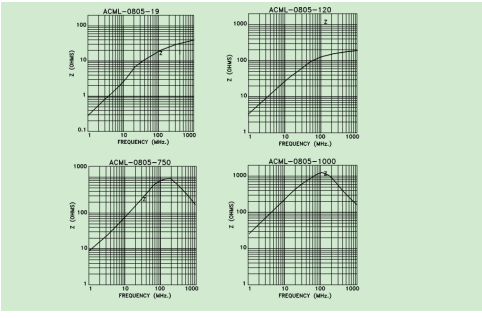
## OPTIONS AND PART IDENTIFICATION

ACML-0805- [ ] - [ ]

**Inductance Code**  
Please refer to the PIN table

**Packaging**  
1. Tape and Reel (4000s / reel)

## FREQUENCY RESPONSE

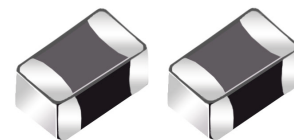


# 0805 Multilayer Ferrite Chip Bead

ACML-0805

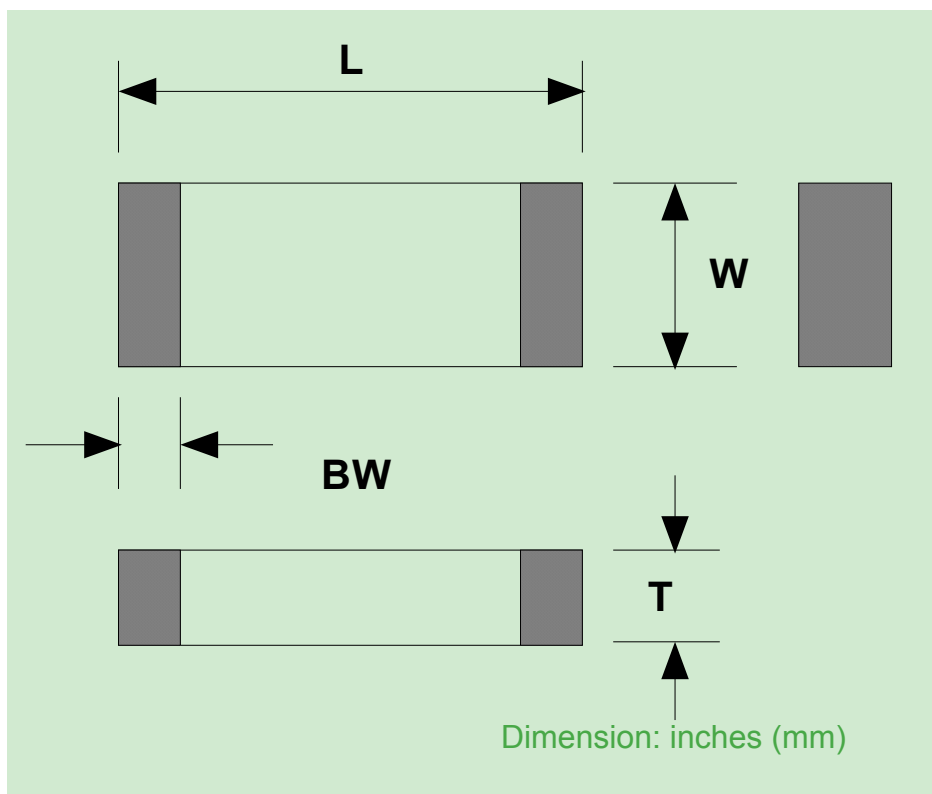


RoHS  
Compliant



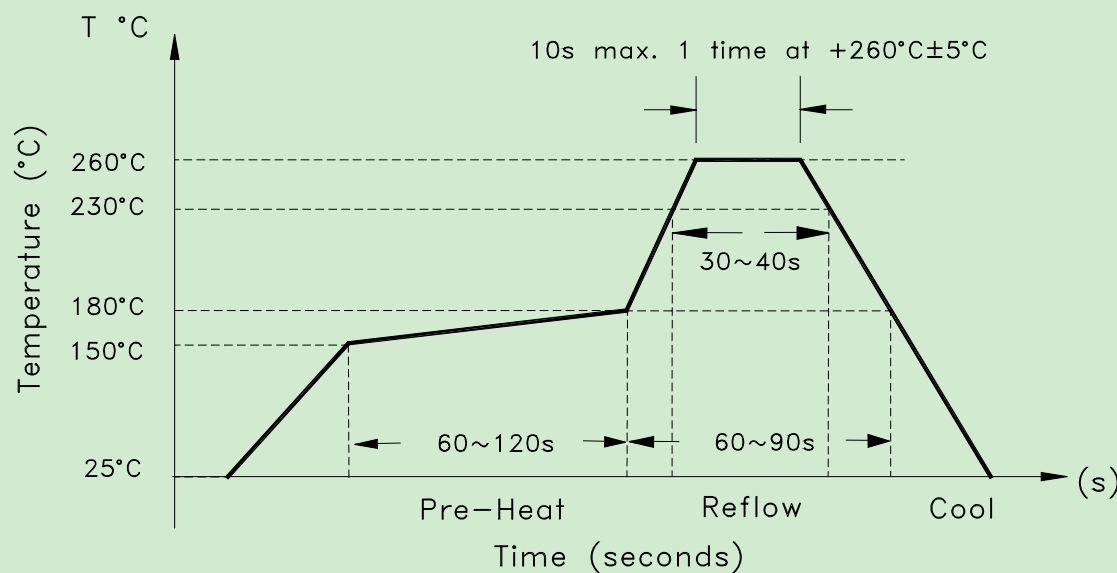
2.00 x 1.25 x 0.85mm

## MECHANICAL DIMENSIONS



|                  |                            |
|------------------|----------------------------|
| Length (L)       | 0.079±0.007<br>(2,00±0,20) |
| Width (W)        | 0.049±0.008<br>(1,25±0,20) |
| Thickness (T)    | 0.033±0.008<br>(0,85±0,20) |
| Termination (BW) | 0.020±0.008<br>(0,50±0,20) |

## REFLOW PROFILE



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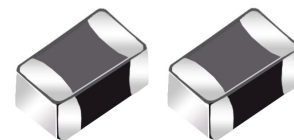
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ACML-0805



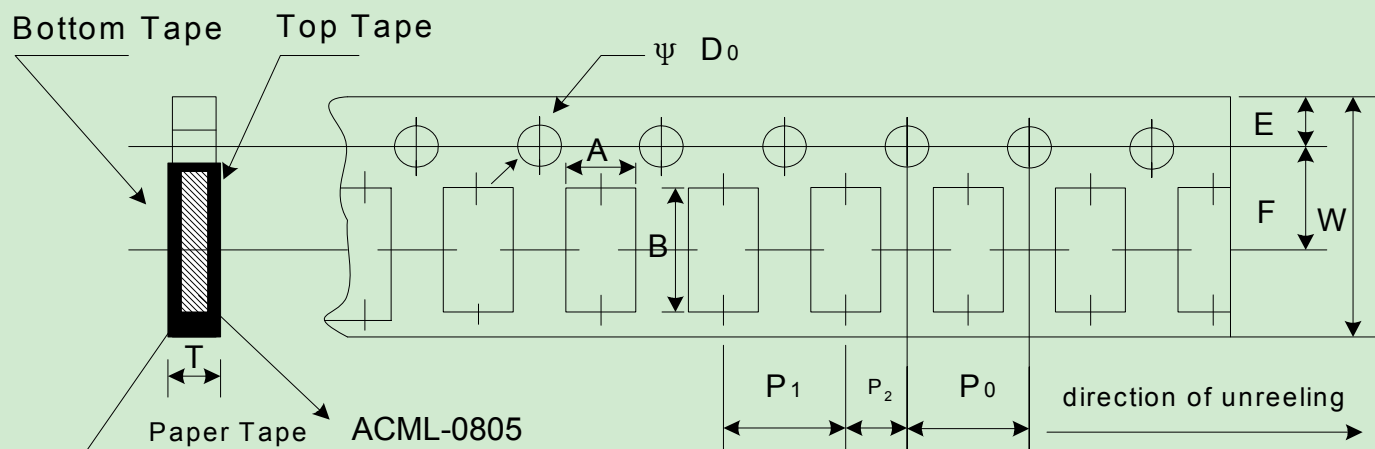
RoHS  
Compliant



2.00 x 1.25 x 0.85mm

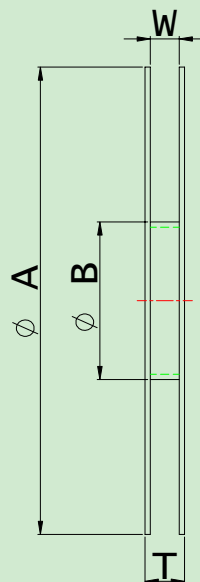
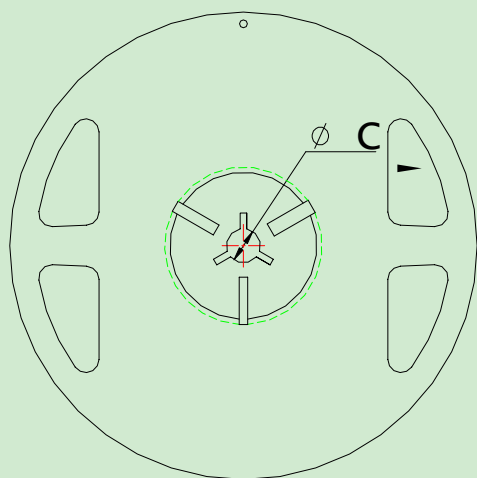
## PACKING:

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



| Codes     | A        | B        | W        | E        | F       |
|-----------|----------|----------|----------|----------|---------|
| ACML-0805 | 1.5±0.15 | 2.50±0.2 | 8.00±0.3 | 1.75±0.1 | 3.5±0.1 |

| Codes     | P <sub>0</sub> | P <sub>1</sub> | P <sub>2</sub> | ΦD <sub>0</sub> | T        |
|-----------|----------------|----------------|----------------|-----------------|----------|
| ACML-0805 | 4.00±0.10      | 4.00±0.10      | 2.00±0.05      | 1.5+0.1/-0      | 1.1±0.03 |



| Dimension | mm        |
|-----------|-----------|
| A         | 178±2     |
| B         | 60±2      |
| C         | 13.0±0.5  |
| W         | 10.0±1.15 |
| T         | 12.0±1.0  |

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