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

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

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. ΔT ≤ 20°C

Unless otherwise specified, the standard atmospheric conditions for measurement/test as:
- Ambient Temperature: 20±15°C
- Relative Humidity: 65±20%
- Air Pressure: 86 KPa to 106 KPa

Visual Examination
- Inspection Equipment: 20X magnifier

OPTIONS AND PART IDENTIFICATION:

ACML-0201- [ ] - [ ]

Impedance Code
Please refer to Electrical Spec table

Packaging
T: Tape and Reel (15kpcs / reel)
SMD Multilayer Chip Bead

ACML-0201

RoHS Compliant

0.6 x 0.3 x 0.3 mm

FREQUENCY RESPONSE

ACML-0201-600

ACML-0201-800

ACML-0201-121

ACML-0201-241

ACML-0201-471

ACML-0201-601

Visit www.abracon.com for Terms & Conditions of Sale
Revised: 09.12.12

www.abracon.com
SMD Multilayer Chip Bead

ACML-0201

RoHS Compliant

0.6 x 0.3 x 0.3 mm

OUTLINE DRAWING:

Recommended Land Pattern

Material

Top View

Side View

<table>
<thead>
<tr>
<th>Series</th>
<th>L</th>
<th>W</th>
<th>T</th>
<th>a</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACML-0201</td>
<td>0.6±0.05</td>
<td>0.3±0.05</td>
<td>0.3±0.05</td>
<td>0.15±0.05</td>
</tr>
<tr>
<td></td>
<td>[0.024±0.002]</td>
<td>[0.012±0.002]</td>
<td>[0.012±0.002]</td>
<td>[0.006±0.002]</td>
</tr>
</tbody>
</table>

Dimension: mm [inch]

Materials

<table>
<thead>
<tr>
<th>Part Name</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Base Material</td>
<td>Ferrite</td>
</tr>
<tr>
<td>2 Internal Conductor</td>
<td>Ag</td>
</tr>
<tr>
<td>3 Pull out Electrode</td>
<td>Ag</td>
</tr>
<tr>
<td>4 Terminal Electrode</td>
<td>Ag (Inner layer) Ni-Sn (Outer layer)</td>
</tr>
</tbody>
</table>
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: 15,000pcs / reel

Dimension: mm

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>P</th>
<th>t(max)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.40±0.1</td>
<td>0.70±0.1</td>
<td>2.0±0.1</td>
<td>0.55</td>
</tr>
</tbody>
</table>