FEATURES:
- Multilayer and low profile structure enables high density mounting
- Closed magnetic circuit minimizes crosstalk
- Sharp attenuation characteristic beyond cutoff frequency achieves excellent EMI suppression
- Wide range of cutoff frequencies from 100MHz to 500MHz available

APPLICATIONS:
- Noise removal from signal lines in digital cameras, computers, game consoles, LED TVs, etc.
- Suppression of noise generated by high speed digital circuits such as clock lines

STANDARD SPECIFICATIONS:

Operating Temperature: -40°C to +85°C
Storage Temperature: -10°C to +40°C, 70% RH max. in tape and reel

<table>
<thead>
<tr>
<th>Part Number</th>
<th>-3dB Cut-off Frequency</th>
<th>Cut-off Frequency Tolerance</th>
<th>Rated Voltage</th>
<th>Rated Current</th>
<th>Min. Insulation Resistance</th>
<th>Max. DC Resistance</th>
<th>Attenuation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEMIF-0805-101M-16</td>
<td>100</td>
<td>M</td>
<td>16</td>
<td>200</td>
<td>200</td>
<td>1.5</td>
<td>20.0 dB min. at 250-2000 MHz</td>
</tr>
<tr>
<td>AEMIF-0805-151M-16</td>
<td>150</td>
<td>M</td>
<td>16</td>
<td>200</td>
<td>200</td>
<td>1.0</td>
<td>20.0 dB min. at 350-2000 MHz</td>
</tr>
<tr>
<td>AEMIF-0805-201M-16</td>
<td>200</td>
<td>M</td>
<td>16</td>
<td>250</td>
<td>200</td>
<td>1.0</td>
<td>20.0 dB min. at 450-2000 MHz</td>
</tr>
<tr>
<td>AEMIF-0805-301M-16</td>
<td>300</td>
<td>M</td>
<td>16</td>
<td>300</td>
<td>200</td>
<td>1.0</td>
<td>20.0 dB min. at 550-2000 MHz</td>
</tr>
<tr>
<td>AEMIF-0805-401M-16</td>
<td>400</td>
<td>M</td>
<td>16</td>
<td>350</td>
<td>200</td>
<td>0.8</td>
<td>20.0 dB min. at 800-2000 MHz</td>
</tr>
<tr>
<td>AEMIF-0805-501M-16</td>
<td>500</td>
<td>M</td>
<td>16</td>
<td>350</td>
<td>200</td>
<td>0.8</td>
<td>20.0 dB min. at 1000-2000 MHz</td>
</tr>
</tbody>
</table>

Test Equipment:
- Cut off Frequency: HP8753E or equivalent
- DC Resistance: HP4338 or equivalent
- Insulation Resistance: TH2682 or equivalent
- Attenuation: HP8753E or equivalent

PART NUMBER IDENTIFICATION:

AEMIF-0805-□□□-□□
- Cutoff Frequency: Please refer to the Table
- Tolerance Code: M: ±20%
- Rated Voltage: Please refer to the Table
- Packaging: T: 4kpcs/reel

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3-Terminal EMI Filter

AEMIF-0805

Revised: 07.28.14

OUTLINE DIMENSION:

<table>
<thead>
<tr>
<th>L</th>
<th>W</th>
<th>T</th>
<th>e1</th>
<th>e2</th>
<th>e3</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.0±0.2</td>
<td>1.2±0.2</td>
<td>0.96±0.2</td>
<td>0.3±0.15</td>
<td>0.5±0.15</td>
<td>0.3±0.15</td>
</tr>
</tbody>
</table>

EQUIVALENT CIRCUIT:

No polarity

Dimension: mm
3-Terminal EMI Filter

AEMIF-0805

RoHS/RoHS II Compliant

REFLOW PROFILE:

- Preheat condition: 150 ~ 200°C/60~120sec.
- Allowed time above 217°C: 60~90sec.
- Max temp: 260°C
- Max time at max temp: 10sec.
- Solder paste: Sn/3.0Ag/0.5Cu
- Allowed Reflow time: 2x max

TAPE & REEL

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

Dimension: mm

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