Press Release
Nippon Chemi-Con Corporation
July 2, 2012

Development of MHL Series
of SMD-Type Aluminum Electrolytic Capacitors

2000 to 4000 hours operation at 125°C guaranteed
and twice the lifetime of conventional products achieved

Nippon Chemi-Con Corporation has developed the MHL series of surface mount type aluminum electrolytic capacitors that last twice as long as conventional products.

The MHL series guarantees 2000 to 4000 hours operation at 125°C, which is twice the durability of conventional products. In addition, low ESR and size as small as or smaller than conventional products have also been achieved. MHL series are recommended for car electronics applications where high reliability is required.

<<Mass production schedule>>

Sample MHL series with a rated voltage of 35 V and capacitance of 100 μF (size of 6.3 φ × 8 mm) started shipping in June this year, with the shipment of sample products with different items to start in August this year. Mass production will start in October this year.

<<Specifications>>

<table>
<thead>
<tr>
<th>Category temperature range</th>
<th>-40 – +125°C</th>
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<tbody>
<tr>
<td>Rated voltage range</td>
<td>10 – 35Vdc</td>
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<tr>
<td>Rated capacitance range</td>
<td>47 – 470μF</td>
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<tr>
<td>Case size</td>
<td>φ6.3×5.8L – φ10×10Lmm (4 sizes)</td>
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<thead>
<tr>
<th>Endurance</th>
<th>Size</th>
<th>Endurance</th>
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<tbody>
<tr>
<td></td>
<td>φ6.3×5.8L (F61)</td>
<td>2000 hours at 125°C</td>
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<td></td>
<td>φ6.3×7.7L (F80)</td>
<td>2000 hours at 125°C</td>
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<td>φ8×10L (HA0)</td>
<td>4000 hours at 125°C</td>
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<td>φ10×10L (JA0)</td>
<td>4000 hours at 125°C</td>
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<tr>
<th>Initial ESR (Ωmax / 100kHz) and Rated ripple current (mArms / 125°C, 100kHz)</th>
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<tbody>
<tr>
<td>Voltage Range</td>
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