## DMR47 material Characteristics

<table>
<thead>
<tr>
<th>特性</th>
<th>SYMBOL</th>
<th>测试条件</th>
<th>CONDITIONS</th>
<th>典型值</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>初始磁导率 μ</td>
<td>$\mu_i$</td>
<td>10kHz, B&lt;0.25mT</td>
<td>25℃</td>
<td>2500 ± 25%</td>
<td></td>
</tr>
<tr>
<td>饱和磁通密度Bs(mT)</td>
<td>Saturation flux density</td>
<td>25℃</td>
<td>520</td>
<td></td>
<td></td>
</tr>
<tr>
<td>50Hz, 1194A/m</td>
<td></td>
<td>100℃</td>
<td>410</td>
<td></td>
<td></td>
</tr>
<tr>
<td>120℃</td>
<td>380</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>剩磁 Br(mT)</td>
<td>Residual magnetic flux density</td>
<td>25℃</td>
<td>160</td>
<td></td>
<td></td>
</tr>
<tr>
<td>100℃</td>
<td>40</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>120℃</td>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>100℃</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>120℃</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>频率 100Hz,200mT</td>
<td>Power loss</td>
<td>100℃</td>
<td>260</td>
<td></td>
<td></td>
</tr>
<tr>
<td>60℃</td>
<td>238</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>120℃</td>
<td>360</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>应变温度 Tc(℃)</td>
<td>Curie temperature</td>
<td>10kHz, B&lt;0.25mT</td>
<td>&gt; 230</td>
<td></td>
<td></td>
</tr>
<tr>
<td>电阻率 (Ω·m)</td>
<td>Resistivity</td>
<td>25℃</td>
<td>3.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>密度 (g/cm³)</td>
<td>Density</td>
<td>25℃</td>
<td>4.8</td>
<td></td>
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</tr>
</tbody>
</table>

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The above typical data are calculated from the standard toroid core. Specific performance of the product will be adjusted on this basis.
DMR47材料特性 - DMR47 material Characteristics

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<tr>
<th>特性</th>
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<th>测试条件</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>初始磁导率μ</td>
<td>( \mu_i )</td>
<td>10kHz, B&lt;0.25mT</td>
<td>25°C</td>
</tr>
<tr>
<td>饱和磁通密度Bs (mT)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>25°C</td>
<td>520</td>
<td></td>
<td></td>
</tr>
<tr>
<td>100°C</td>
<td>410</td>
<td></td>
<td></td>
</tr>
<tr>
<td>120°C</td>
<td>380</td>
<td></td>
<td></td>
</tr>
<tr>
<td>100kHz, 1194A/m</td>
<td></td>
<td>25°C</td>
<td>160</td>
</tr>
<tr>
<td>200mT</td>
<td>120°C</td>
<td>100°C</td>
<td>10</td>
</tr>
<tr>
<td>10°C</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coercive force</td>
<td>Hc (A/m)</td>
<td>25°C</td>
<td>10</td>
</tr>
<tr>
<td>100°C</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>120°C</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>100kHz, 200mT</td>
<td>Power loss</td>
<td>25°C</td>
<td>6000</td>
</tr>
<tr>
<td>100°C</td>
<td>4000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>120°C</td>
<td>2800</td>
<td></td>
<td></td>
</tr>
<tr>
<td>100kHz, B&lt;0.25mT</td>
<td>Curie temperature</td>
<td>&gt; 230</td>
<td></td>
</tr>
<tr>
<td>25°C</td>
<td>3.5</td>
<td></td>
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</tr>
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<td>10°C</td>
<td>4.8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Density</td>
<td>d (g/cm³)</td>
<td></td>
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</tr>
</tbody>
</table>

以上数据是根据标准样环φ25 × φ15 × 8获得的典型数据，有关产品的具体性能会在此基础上有所调整。

The above typical data are calculated from the standard toroid core. Specific performance of the product will be adjusted on this basis.