I&Q DEMODULATORS

R&K reserves the right to make changes in the specifications of or discontinue products at any time without notice. R&K products shall not be used for or in connection with equipment that requires an extremely high level of reliability and safety such as aerospace uses or medical life support equipment. Further, R&K cannot export products to any country for use in military or defense applications.

IQ Series

<table>
<thead>
<tr>
<th>Model Name Sample</th>
<th>LO&amp;RF Frequency (MHz)</th>
<th>I&amp;Q Frequency (MHz)</th>
<th>Conversion Loss (dB) max</th>
<th>Amplitude Balance (dB) max</th>
<th>Phase Balance (deg) max</th>
<th>Isolation (dB) min</th>
<th>Harmonic Suppression (dBc) min.</th>
<th>P1dB (dBm) typ.</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>IQ5IFL-0S</td>
<td>5 (BW10%) DC-0.25</td>
<td>12</td>
<td>0.3</td>
<td>3</td>
<td>60</td>
<td>-45</td>
<td>+4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IQ500IFM-0S</td>
<td>500 (BW10%) DC-10</td>
<td>12</td>
<td>0.3</td>
<td>5</td>
<td>30</td>
<td>-45</td>
<td>+4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IQ1000IFH-0S</td>
<td>1000 (BW10%) DC-50</td>
<td>12</td>
<td>0.5</td>
<td>5</td>
<td>30</td>
<td>-45</td>
<td>+4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

I&Q Demodulator Part Number Description

R&K–IQ500IFM–0S

1. Series ; I&Q Demodulator
2. LO&RF Frequency ; MHz / Band Width 10%
3. I&Q Frequency ; IFL (DC–250kHz)
   ; IFM (DC–10MHz)
   ; IFH (DC–50MHz)
4. Case Type ; 0 (Standard)
5. Connectors ; S = SMA Female (Standard)
   ; B = BNC Female (Option)
   ; N = N Female (Option)

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