830/840 Series
Oscillators

Description
Mi-Wave’s 830 Series Fixed Frequency source are available in 18 to 110GHz frequency range.

This source can be used for a mixer local oscillator or transmit source. The 830 Series is a moderate stability source.

Very high power sources available.

Applications
• Radar
• Radiometers
• Local Oscillators
• Telecommunications

Ordering Information

Specify Flange
(See Appendix A)

Specify Center Frequency

Specify Output Power

Description
Mi-Wave’s 840 Voltage controlled sources are available in 18 to 110GHz.

This source can be used as a modulated transmitter or local oscillator.

Applications
• Radar
• Swept Sources
• Telecommunications Systems

NOTE: High Power Available for narrow band sources

Technical Specifications (typical)

<table>
<thead>
<tr>
<th>Model No.</th>
<th>S40K</th>
<th>S40A</th>
<th>S40B</th>
<th>S40U</th>
<th>S40V</th>
<th>S40E</th>
<th>S40W</th>
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<tbody>
<tr>
<td>Frequency (GHz)</td>
<td>18-26.5</td>
<td>26.5-40</td>
<td>33-50</td>
<td>40-60</td>
<td>50-75</td>
<td>60-90</td>
<td>75-110</td>
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<tr>
<td>Output Port</td>
<td>WR-42/SMA-F</td>
<td>WR-42/S8/K-F</td>
<td>WR-22/2.4mmF</td>
<td>WR-19/1.85mm</td>
<td>WR-15</td>
<td>WR-12</td>
<td>WR-10</td>
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<tr>
<td>Output Power</td>
<td>30dBm</td>
<td>30dBm</td>
<td>20dBm</td>
<td>20dBm</td>
<td>17dBm</td>
<td>17dBm</td>
<td>15dBm</td>
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