The VKS2200 Klystron Series is designed for use in new or replacement communications systems. Typical applications include Satcom Uplink, TT&C and tropospheric scatter communications.

These modern compact and cost effective co-axial output, CW klystrons are tunable in the 1.7 to 2.4 GHz frequency range.

Two configurations are available. A manual tuner, with calibrated counters for easy recall of previously tuned channels, or a 50-channel Digital Fast Tuning System (DFTS), for applications requiring rapid or remote channel selection.

### RF and Electrical Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Frequency Range</th>
<th>Output Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>VKS2200C1</td>
<td>1.700 to 2.100 GHz</td>
<td>2000</td>
</tr>
<tr>
<td>VKS2200C2</td>
<td>1.750 to 1.850 GHz</td>
<td>2500</td>
</tr>
<tr>
<td>VKS2200C5</td>
<td>1.760 to 2.120 GHz</td>
<td>2500</td>
</tr>
<tr>
<td>VKS2200D2</td>
<td>1.97 to 2.230 GHz</td>
<td>2500</td>
</tr>
<tr>
<td>VKS2200D3</td>
<td>2.00 to 2.150 GHz</td>
<td>2500</td>
</tr>
</tbody>
</table>

- Instantaneous Bandwidth (-1dB) 8 MHz
- Gain – minimum 40 dB
- Beam Voltage – maximum 8.8 kV
- Beam Current – maximum 0.90 A

Other models are available, please call CPI for information.

### Physical Characteristics

- Dimensions: See outline drawings
- Weight (approx): 90 lb (41 kg)
- Operating Orientation: Collector up
- Collector Cooling: Forced Air
- Integral permanent magnet

The VKS2200 series replaces the following model types:

- 4K5SL-2 VKS7961A TH2500
- 4K5SL-3 VKS7961B TH2503
- 4K5SL-4 VKS7962A TH2451A
- 4K5SL-5 VKS7962B etc.
- 4K5SL-7
For complete information on the full VKS2200 Series and other klystrons used in satellite communications, please contact your local CPI office, or CPI Canada Inc.