Waveguide Switch - LW Series - WR51

Frequency: 15.0 to 22.0 GHz
VSWR: 1.15:1 Max.
Insertion Loss: 0.15 dB Max.
Isolation: 60 dB Min.
Flange: See Flange Table
Voltage: See Voltage Table
Switching Time: 80 mS Max.
Material: Aluminum (RF Assy)
Finish: Iridite per MIL-DTL-5541
Pressure: 30 PSIG (RF Head Only)
Drive: Patented Logus I Motor
Temp: Operating: -40°C to +85°C
Non-Operating: -55°C to +100°C
Humidity: 0 to 100%, Fully Weatherized

RoHS Available

4X FLANGE MOUNTING HOLES
6-32 UNC - 2B \( \frac{1}{4}\) .25
TYP ALL PORTS
(metric threads available)

MOUNTING HOLES
8-32 UNC - 2B \( \frac{1}{4}\) .31
(metric threads available)

FOR ACCESS TO MANUAL OVERRIDE LOOSEN (2) CAPTIVE SCREWS

WEATHERIZED COVER (clear viewing window)

CONNECTOR MS3112E-10-6P OR EQUIVALENT

ELECTRICAL CIRCUIT OPTIONS

<table>
<thead>
<tr>
<th>OPTIONS</th>
<th>VOLTAGE OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO INDICATORS</td>
<td>12 VDC</td>
</tr>
<tr>
<td>1 SET INDICATORS</td>
<td>15 VDC</td>
</tr>
<tr>
<td>2 SETS INDICATORS</td>
<td>24 VDC</td>
</tr>
<tr>
<td>3 SETS INDICATORS</td>
<td>28 VDC</td>
</tr>
<tr>
<td>4 SETS INDICATORS</td>
<td>48 VDC</td>
</tr>
<tr>
<td>INHIBIT CIRCUITS</td>
<td>115 VAC</td>
</tr>
<tr>
<td></td>
<td>230 VAC</td>
</tr>
</tbody>
</table>

Drive Options

- Latching
- Pulse Latching
- Failsafe
- TTL

Flange Options

- Cover
- Groove
- Choke

R.F. PATHS

Pos. 1
Pos. 2

Arc Suppression

LATCHING, SHOWN IN POSITION 1

(See Schematic page for optional Electrical Circuits)