HIGH REPEATABILITY
RELIANT™
COAXIAL SWITCH
SP6T

R461 Latching Terminated | SMA

- High Repeatability
- DC-26.5 GHz
- 0.03 dB Insertion Loss Repeatability @ 25°C
- 5M Life Cycles

RF Characteristics

<table>
<thead>
<tr>
<th>Frequency GHz</th>
<th>VSWR (max)</th>
<th>Isolation dB (min)</th>
<th>Ins. Loss dB (max)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC-4</td>
<td>1.20</td>
<td>100</td>
<td>0.36*</td>
</tr>
<tr>
<td>4-12.4</td>
<td>1.35</td>
<td>80</td>
<td>0.49*</td>
</tr>
<tr>
<td>12.4-18</td>
<td>1.45</td>
<td>70</td>
<td>0.57*</td>
</tr>
<tr>
<td>18-26.5</td>
<td>1.70</td>
<td>65</td>
<td>0.68*</td>
</tr>
</tbody>
</table>

* Value calculated as follows: 0.015 x Frequency [GHz] + 0.3

Specifications

Operating Voltage (across temperature range):
12 Vdc (11-14 Vdc)
24 Vdc (20-32 Vdc)

Coil Current (max. @ nom. Vdc & 25°C):
12 Vdc Consult with factory
24 Vdc 195 mA

Stand-By Current (nom. Vdc @ 25°C):
CANBus: 12 Vdc 35 mA
TTL: 24 Vdc 26 mA

Stand-By Current (typ. Vdc @ 25°C):
CANBus: 32-41 mA
TTL: 23-30 mA

Switching Time:
15 ms maximum

Operating Temperature:
-25°C to +75°C

Storage Temperature:
-55°C to +85°C

Mechanical Life Cycles:
5,000,000 minimum

Vibration, Operating:
7G RMS, 20-2000 Hz

Nominal Weight:
8.8 oz. (250 g.)

Part Number Selector

R461 J K - 4 8 08 23 A

Family Special Options Actuator Coil Voltage Connectors Indicators Circuit Options
R461 = SP6T J = 16 Pin IDC DC Connector * 4 = Latching Self Cutoff 2 = 12 Vdc** 8 = 24 Vdc 08 = SMA Female 23 = Indicators 1W Terminations A = TTL High N = CANBus

* Not used with CANBus option
** Available with CANBus option only