

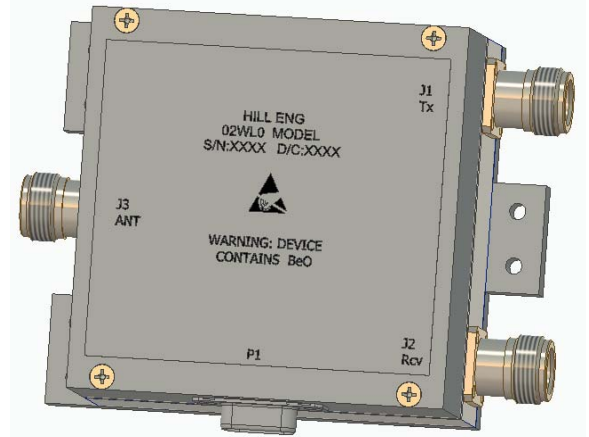
105 Baylis Road ♦ Melville, New York 11747
 Telephone (631) 777-8900 ♦ Fax (631) 777-8877
<http://www.comtechpst.com>

417 Boston Street ♦ Topsfield, MA 01983
 Telephone (978)887-5754 ♦ Fax (978)887-7244
<http://www.comtechpst.com/hill>

Solid State RF Switch MODEL UM21-100

Features:

- Solid State Design
- Wideband Operation
- Compact & Light Weight
- Military Environment
- Environmental Seal
- Hermetic Seal Available



Typical Performance Specifications

ELECTRICAL

- | | |
|-------------------------|----------------------------|
| • Frequency Range: | 100 – 800 MHz |
| • Peak Input Power: | 1000 W |
| • Average Input Power: | 200 W |
| • CW Input Power: | 300 W |
| • RF Pulse Width: | 100 μ s |
| • VSWR: | 1.5:1 |
| • Load VSWR: | 2.0:1 |
| • DC Bias: | +5V, +28V |
| • DC Current: | 400 mA, 250 mA |
| • Switching Speed: | 5 μ s (To 0.50dB I.L.) |
| • | |
| • Switching Transients: | 15 Vpp |

ENVIRONMENTAL

- | | |
|----------------|--|
| • Temperature: | |
| Operating: | -25°C to +70° C Mounting BaseTemperature |
| Storage: | -40°C to +85°C |
| • Altitude: | |
| Operating: | 30,000 feet |
| Non-Operating: | 40,000 feet |
| • Shock: | MIL-STD-810F Method 516.5 |
| • Vibration: | MIL-STD-810F Method 514.5 |
| • Humidity: | 95% without condensation |
| • Cooling: | Baseplate |

PHYSICAL

See detailed specifications.

COMTECH PST introduces the UM21-100. Model UM21-100 is a 1P2T designed for cold-switched operation only. Hot switched operation possible (contact factory). Frequency of 100-800MHz and 1kW peak power rating handles an average power level of 300W. The UM21-100 can operate from -25 to +70 deg C and up to 30,000 feet.

COMTECH PST manufactures standard and custom control components and solid-state power amplifiers. Amplifier products operate to 18GHz with output levels to multi-kilowatts. Control components and receiver products operate to 40GHz and multi-kilowatts power.

Contact us with your requirements today.

Call: 631-777-8900 or Email sales@comtechpst.com or contact your local representative.