

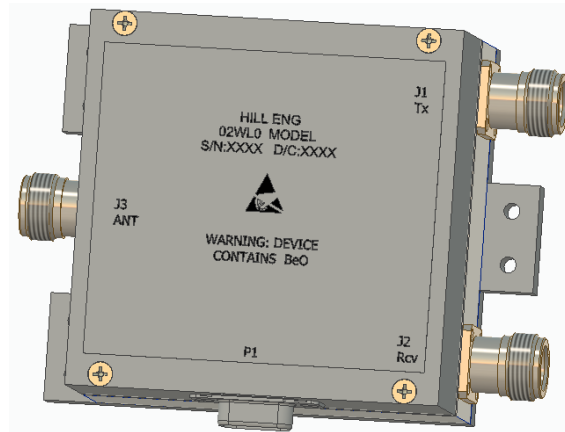
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## Solid State RF Switch MODEL UH21-240

### Features:

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



### Typical Performance Specifications

#### ELECTRICAL

- Frequency Range: 350 – 1050 MHz
- Peak Input Power: 6000 WATTS
- Average Input Power: 720 WATTS
- RF Pulse Width: 0.40 – 30.0  $\mu$ s
- VSWR:
- Load VSWR: 1.5:1
- Switch-Generated Harmonics:
- DC Bias:
  - Positive Bias Voltage 1 4.80 – 5.20 VDC
  - Positive Bias Voltage 2 26 – 32 VDC
- DC Current:
  - Positive Bias Current 1 1.0 A
  - Positive Bias Current 2 1.0 A
- Switching Speed: 4 $\mu$ s
- Switching Transients: 4.0 Vpp

#### ENVIRONMENTAL

- Temperature:
  - Operating: -25°C to +70°C Mounting Base Temperature
  - 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 UH21-240. Model UH21-240 is a SP2T designed for cold-switched operation only. Hot switched operation possible (contact factory). Frequency of 350-1050MHz and 6kW peak power rating handles an average power level of 720W. The UH21-240 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](mailto:sales@comtechpst.com) or contact your local representative.