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 µs
- 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: 4µs
- Switching Transients: 4.0 Vpp

**ENVIRONMENTAL**
- Temperature:
  - Operating: -25°C to +70°C Mounting Base
  - 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 your local Comtech PST representative, E-mail Address: sales@comtechpst.com

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