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 µs
- VSWR: 1.5:1
- Load VSWR: 2.0:1
- DC Bias: +5V, +28V
- DC Current: 400 mA, 250 mA
- Switching Speed: 5 µs (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.