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TECHNOLOGY GROUP

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2 – 18 GHz SHF TUNER

TUNERS



SI-9250

The SI-9250 tuner extends the frequency coverage of any VHF/UHF-based receiving system. The single slot, 6U, VME SI-9250 accepts input signals from 0.5 to 18.0 GHz. Signals below 2 GHz are routed directly to the IF output. Signals above 2 GHz are filtered with suboctave preselection before being converted to an output IF centered at 1.6 GHz.

The converter's front-end utilizes five suboctave preselector filters spanning 2.0 to 3.2 GHz, 3.2 to 4.8 GHz, 4.8 to 8.0 GHz, 8.0 to 12.0 GHz and 12.0 to 18.0 GHz to limit the number of unwanted out-of-band signals. These bands are easily selected via register commands from the VME bus. The SI-9250 has a tuning range of 2.0 GHz to 18.0 GHz with a tuning resolution of 800 MHz. The IF output is centered at 1.6 GHz and has a 2 dB bandwidth of 880 MHz.

The 1st and 2nd LO's can be referenced to the internal 100 MHz crystal oscillator or referenced to an external 100 MHz oscillator to offer phase-coherent operation.

- Frequency coverage from .5 GHz to 18 GHz
- 880 MHz IF bandwidth
- Single-slot 6U VME form factor
- Compatible with most V/UHF receivers
- Configurable for multichannel phase-coherent operation
- Windows™-based control software (WJ-RCS) compatible

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Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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