

### Multimode Telemetry Demodulator



#### Applications

- Telemetry
- Guidance
- Field Training
- Simulation

#### Features

- Agile Data Rates 0.18 to 20 Mbps
- Demodulates SOQPSK, PCM/FM or Multi-symbol PCM/FM
- Intermediate Frequency of 70 MHz or 20 MHz
- Programmable Control, Local and Remote via IEEE-488 Bus
- Spectral Inversion Control
- Switch Support in All Modes
- RCC-106-04 Compatible

#### Description

The Model 2120 is a high-speed multi-mode demodulator designed to receive a family of modulation methods including SOQPSK and PCM/FM. It will yield low BER with the lowest possible C/N or corresponding  $E_b/N_0$  to optimize the range/distance and the quality of the received data. The Multi-symbol PCM/FM mode is available as an optional addition. All modes provide the SDI signals needed to support the RF Networks Model 2241 Diversity Branch Selector. The RF Networks Model 2120 operates without the need for a Bit Synchronizer or additional IF or RF filters and displays a robust bit error performance without the need for additional coding. This latest Model 2120 is the fourth generation of demodulator from RF Networks. All parameters are settable from the front panel.

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#### Model-2120 Datasheet

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Specifications subject to change without notice.

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