

Multimode Telemetry Demodulator



Applications

- Telemetry
- Compliance
- Field training
- Simulation

Features

- Agile data rates 0.03 to 60 Mbps
- Demodulates SOQPSK and PCM/FM (NRZ-L,M,S and BiPhase-L,M,S), BPSK, QPSK, OQPSK
- Optional multisymbol PCM/FM and/or AUQPSK
- Intermediate frequency of 70 MHz
- Programmable control, local and remote via IEEE 488 bus
- Spectral inversion control
- Diversity switch support in all modes
- RCC-106-07 compatible
- ARTM compliant

Description

The Model 2120-902 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 Eb/N0 to optimize the range/distance and the quality of the received data. The multi-symbol PCM/FM mode is available as an option. All modes provide the signals needed to support the TTC/RF Networks Model 2241-902 diversity branch selector. The TTC/RF Networks Model 2120-902 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 TTC/RF Networks. All parameters are settable from the front panel or from the remote IEEE-488 bus.

Revision 05/07/2015

Model 2120-902 Datasheet

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Specifications subject to change without notice.

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System
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