



RAIL DATA RADIO (RDR200)

General Specifications	
Frequency	217.000 - 219.975 MHz (Requires FCC License)
Temperature Range	-22° to 131° F (-30° to +55° C)
Frequency Stability	2ppm TCXO
Operating Bandwidth	5 MHz
Operating Voltage	12.0 VDC
RF Connector	BNC (50 OHM)
Interface Connector	DB-9 FEMALE
Method of Programming	PC via serial port
Signal Type	RS-232
Protocols	Asynchronous, DCE
Data Rates	1200, 2400, 4800, 9600
Signals	TXD, RXD, RTS, CTS, GND
Format	8 Bit Characters, E/O/N Parity, 1 or 2 Stop Bits
Modulation	GMSK
Data Scrambling	CCITT V.35 Algorithm
Link Performance	<10E-4 BER @ 12 dB SNR in 25 KHz channel
Antenna RF	BNC Female
Supply Power	Requires 12 VDC (2A Continuous, 160 mA Standby)
Supply Power Connector	2-Part Terminal Connector



Transmitter Specifications	
Power Output	2 Watts continuous
Spurious Emissions	-60dB
Harmonic Emissions	-60dB
Rx-Tx Attack Time	5 ms
Current Drain	550 ma

Receiver Specifications	
Sensitivity	-114 dBm
Selectivity	-70 dB
Channel Spacing	12.5 KHz
Tx-Rx Recovery	5 ms
Current drain	45 MA

RDR200 Dimensions: 6.12" x 2.90" x 2.10"

Warranty: Three (3) year return-to-factory warranty against defects in parts & labor.