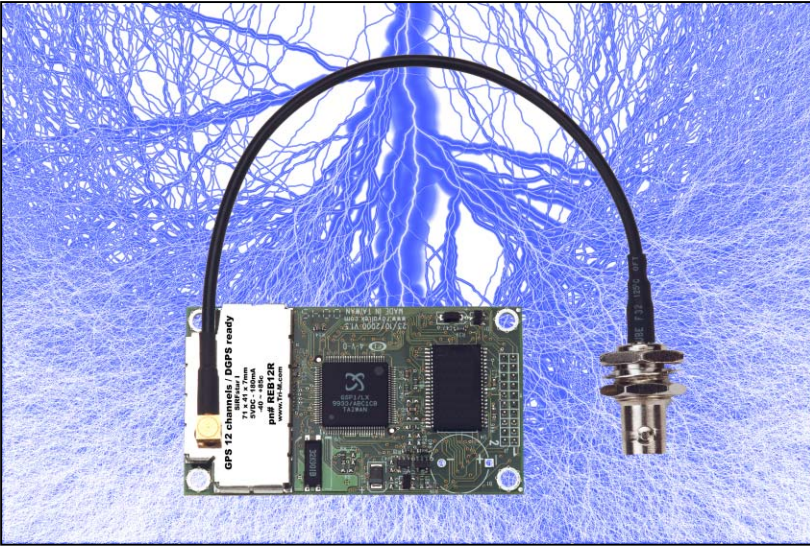


GPS Receiver

REB-12R6: 12 Channel 5V GPS Receiver



The REB-12R6 packages a 12-channel, NMEA-0183 GPS receiver in a 71 x 41 x 7mm footprint. The REB-12R6 requires 5V with a maximum current of 180mA. Acquisition time for the REB-12R6 ranges from 48 seconds for cold start to 8 seconds for hot start. Reacquisition time is 0.1 seconds. Other features of this receiver include single satellite position operation, and dual multipath rejection.

Technical Specifications

Protocol:	NMEA0183GPGGA, GPRMC, GPGSA, GPGSV, GPGLL, GPVTG9600, 8, N, 1
Voltage:	5V±5%
Maximum Current:	180mA
Differential Input:	RTCM 104 DGPS
Interface:	TTL, 9600, 8, N, 1
Data Retention Power:	N/A

Environmental Specifications

Operation Temperature:	-40 ~ +85°C
Storage Temperature:	-55 ~ +100°C
Operating Humidity:	<=95% Non-Condensing
Maximum Altitude:	18000m
Maximum Velocity:	515m/s
Maximum Acceleration:	4G

Performance Specifications

Channels:	12
Frequency:	L1, 1575.42Mhz
Reacquisition Time:	0.1 sec.
Hot Start (average):	8 sec.
Warm Start (average):	38 sec.
Cold Start (average):	48 sec.
Accuracy:	25m CEP w/o S.A.
Update Rate:	1Hz

Physical Characteristics

Dimension (LxWxH):	71 x 41 x 7mm
Connector:	20 pin header/down
RF Connector:	Receptacle MCX/Up
Weight:	19.3g

ORDERING INFORMATION

Part #	Description
REB-12R6	12 Channel 5V GPS Receiver