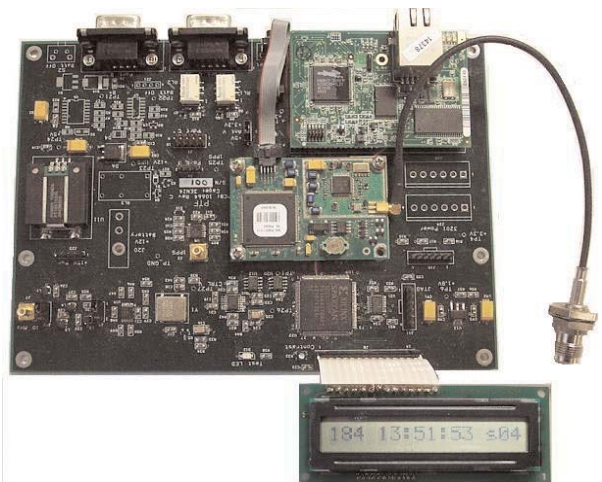




**ptf**

## 3205A OEM GPS RECEIVER

**GPS Tracking: 12 parallel channels**  
**Acquisition Time: <1.5 minutes (warm start)**  
**Accuracy (1PPS): <50ns(1 sigma)**  
**Holdover: ~1 milli second/day**  
**100/10 Base T ethernet**  
**NTP (optional), Telnet, TCP/IP,**  
**Monitor/Control i/f**  
**Alarm indicator and output**  
**1MHz, 5MHz o/p options**  
**GPS Antenna & 50 Ft. Cable Included**  
**Available in OEM(3205A/O), Desktop(3205A/D),**  
**and 1U (3203A/R)**



### OVERVIEW

The **ptf** 3205A GPS Receiver provides extraordinary stability in a highly flexible approach to utilizing the caesium stability of the GPS satellite system. Available in OEM(board only), desktop (3205A/D) and 1U (3205A/R) versions, the 3205A is an excellent performance frequency standard and provides a number of time standard features.

Frequency standard performance determined by the on-board local TCXO oscillator. The 3205A is equipped with one 10MHz RF output with 1MHz and 5MHz available as options. Additionally the unit provides a highly accurate 1PPS output.

For timing, synchronization and time keeping applications the unit provides 1 PPS and NTP (optional). The 1 PPS output is accurate to within <50ns (1 sigma) of UTC (USNO) .

For monitoring and control the unit has an RS232 Control/Monitor interface and also houses a 10/100 BaseT Ethernet interface (RJ-45) with various protocols suited to different user needs, from a simple Telnet interface to a fully web-driven browser interactive interface.

Also included is an on-time RS 232 “print” output providing a standard format ASCII output string of date and time.

Specifications subject to change without notice



# 3205A OEM GPS RECEIVER

## SPECIFICATIONS

### ELECTRICAL

<b>GPS Receiver</b>	12 channel
<b>Front Panel Display</b>	LCD (optional)
<b>RF Outputs *</b>	
10MHz sine wave	1V rms into 50Ω
5MHz (optional)	1V rms into 50Ω
1MHz (optional)	1V rms into 50Ω
* Standard configuration offers 10MHz sine wave, IRIG-B and pulse outputs.	
<b>Timing Output</b>	
1PPS	TTL level into 50Ω
<b>10/100 Ethernet Interface</b>	RJ-45 Connector
Telnet monitoring, configuration and control interface	
HTTP configuration and control	
DHCP TCP/IP auto configuration	
SNTP (optional)	

### ENVIRONMENTAL & PHYSICAL

<b>Temperature</b>		
Operating	Unit	0° C to 50° C
	Ant.	-40° C to +85° C
Storage	Unit	-20° C to 70° C
	Ant.	-40° C to +100° C
Humidity	Unit	0-95% relative noncondensing
	Ant.	Mil-STD-810E

### Power Requirements

DC Input	9 - 36 V DC
AC Input (optional)	90 - 264 VAC, <10W
(3205A/D & 3205A/R only)	

### Dimensions (HxWxD)

3205A/O	1	x	7.375"	x	5.25"
3205A/D	1.75	x	9"	x	7"
3205A/R	1U	x	19"	x	12"

### Configuration Options

Option #	Description
ADRF	1MHz and 5MHz RF Outputs
LCDS	LCD Display
WINA	Window Mount Antenna
LKIT	Lightning Protection Kit
RSLD	Mounted Rackslides(3205A/R only)

Consult Factory for additional Antenna and Cable options.



Specifications subject to change without notice