



ptf



Mobile GPS Receivers

GPS Tracking: 12 parallel channel
Acquisition Time: <1.5 m (warm start)
Accuracy (1PPS): <20ns(static mode)
Accuracy (1PPS): <100ns(mobile mode)
100/10 Base T Ethernet
NTP (optional), Telnet

Monitor/Control i/f
Alarm indicator and output
1MHz, 5MHz o/p options
GPS antenna and cable included
Available in 1U(3203AB) and 2U(3204AB)

The mobile version of the ptf GlobalTyme™ GPS Receivers provides the same functionality as the static version, with the additional feature of being able to operate in mobile mode for both ground and airborne applications. Available in both 1U (3203A) and 2U (3204A) versions, the units can be configured as a high performance frequency standard, a comprehensive time standard, or both.

Performance is application tailored with a range of local oscillator options including TCXO(standard), OCXO, Ultra Low noise oscillator, and high performance rubidium.

In standard configuration, the unit is equipped with 10MHz (options to add 100 kHz, 1 MHz, and 5 MHz), 1PPS and IRIG B(am) outputs.

Additional options for telecommunications signals of E1 (2048 kHz) or T1(1544 kHz) clock are also available. Internal RF distribution can be fitted to provide up to 10(3203AB) or 20(3204AB)10MHz outputs .

For timing, synchronization and time keeping, the unit provides optional NTP, TP and Daytime Protocol, in addition to the standard 1PPS and IRIG B outputs. The 1PPS output is accurate within <20ns (1 sigma) of UTC(USNO).

Velocity (2D and 3D), heading, and position coordinates are available through commands on the console/monitor ports and additional status screens on the front panel display(display option only)

Specifications subject to change without notice



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3203AB/3204AB GLOBALTYME™

SPECIFICATIONS(CONT'D.)

Environmental/Physical

Temperature

Operating

Unit	0 deg C to 50 deg C
Antenna	-40 to +85 deg C

Storage

Unit	-20 to 70 deg C
Antenna	-40 to 100 deg C

Humidity

unit	0-95% RH(non-cond)
Antenna	Mil-STD-810E

Power Requirements

AC input (+/-15%)	90-264 VAC
DC input(opt)	18V to 72V DC

Dimensions

3203A	1Ux19"x12"
3204A	2Ux19"x12"
Relative Humidity	0-95% (non-cond.)

Dynamic Characteristics

Velocity	1800km/hr(515m/s)
Altitude	60,000 ft / 18,000m
Acceleration	4g maximum
Jerk	5 m/s ³

Configuration Options

OptionDescription

PPSI	External 1PPS in
MOPS	Multi RF outputs
RF01	1MHz sine x 4
RF05	5MHz sine x 4
RF10	10MHz sine x 4
RF100	100MHz sine x 4
TIME	IRIG B(am)x 4
PULS	Pulse Distr.x 4
OPTO	Optical Fiber Output
OPTI	Optical Fiber Input
OVEN	Hi Perf. OCXO
RUBS	Std perf. Rubidium
RUBH	Hi perf. Rubidium
ULNO	Ultra Low Noise o/p
DISP	Front panel keypad/Display
DCPS	DC power Supply
NTPO	Network Time Protocol
SNMP	Simple Network Mgt Prot.
HTTP	Web Browser
WINA	Window Mount antenna
LKIT	Lightning Protection Kit
RSLD	Mounted rack slides



ptf 3204AB rear view



ptf 3203AB rear view

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