



# Short Form Catalog



**Precise Time and Frequency, LLC**  
**an LGL Group Company**



## Distribution Amplifiers

### Standard 12 Channel, Optical, and Configurable



[ptf 1202A](#) HF Distribution (30MHz - 400MHz)  
[ptf 1203C](#) RF Distribution (0.5MHz - 50MHz)  
[ptf 1203D](#) RF, Matched Phase Distribution  
[ptf 1204A](#) Digital Distribution (DC - 50MHz)  
[ptf 1205A](#) Time Code Distribution (A,B,D,E)



[ptf 1206A](#) Configurable Distribution (1U)  
[ptf 1207A](#) Configurable Distribution (2U)  
[ptf 1208A](#) Optical Distribution (Transmitter)  
[ptf 1209A](#) Optical Distribution (Receiver)  
[ptf 1231A](#) GPS Antenna Distribution

### 12 and 16 Channel Distribution with Remote Monitor/Control



[ptf 1203C-MC](#) 12 Channel RF, Monitor/Control  
[ptf 1204A-MC](#) 12 Ch. Digital, Monitor/Control  
[ptf 1205A-MC](#) 12 Ch. Time Code, Mon./Contr.



[ptf 1603A](#) 16 Channel RF, Monitor/Control  
[ptf 1604A](#) 16 Ch. Digital, Monitor/Control  
[ptf 1605A](#) 16 Ch. Time Code, Mon./Contr.

### Redundancy Auto Switches with Remote Monitor/Control



[ptf 1207A](#) Failsafe, multi channel auto switch  
[ptf 1220A](#) RF/Digital Pair Auto Switch



[ptf 1226A](#) RF/Digital Pair input, Multi Output  
[ptf 1226](#) 3 channel input switching

Precise Time and Frequency, Inc. has the widest range of time and frequency distribution and Redundancy Auto Switch products on the market today.

All distribution products utilize flexible broadband amplifiers to cater for the widest range of application requirements. The distribution amplifiers include either feed-through inputs for easy expansion without degradation, or dual auto switched inputs for redundancy requirements.

All products are designed for high isolation and low phase noise/jitter, and the configurable distribution units (ptf 1206A and ptf 1207A) allow combinations of RF, Digital, or Time Code distribution within the same package.

The remote monitor and control interface monitors all outputs and inputs, provides analog level monitoring for RF channels, and allows remote channel switching for auto switched inputs.



# GNS Receivers, Frequency Standards, and NTP Servers

## ptf 3207A GNS Time and Frequency Receiver



### [ptf 3207A](#) Multi Function GlobalTyme2™ Frequency and Time Standard

The ptf 3207A represents an extraordinary advance in the capabilities of precision time and frequency references. Delivering accuracy and stability performance unrivalled in the marketplace, the instrument also offers a rich feature set including RS232, telnet and web browser remote monitor/control, together with the latest version of NTP and SNMP versions 1,2, and 3.

The instrument is GPS, Glonass and Galileo ready, with options for additional satellite constellation reception as required.

All this is offered in a dual redundant 19 inch, 1U package at an unbeatable price only possible due to ptf's relentless drive to keep costs to a minimum without compromising performance.

## GPS Receivers NTP Servers



- [ptf 3201B](#) Low cost Frequency Standard
- [ptf 3203/4A](#) Multi Function GPS Frequency and Time Standard
- [ptf 3203/4AB](#) Mobile GPS Freq/Time Std.

- [ptf 3203A-WiMax](#) Optimized for WiMax
- [ptf 3204A-SAASM](#) SAASM enabled solution
- [ptf 3205A](#) Low cost OEM solution

- [ptf 3223A](#) High performance NTP Server

- [ptf 3225A](#) OEM NTP Server

ptf GPS receivers and NTP servers offer solutions tailored to applications requirements. From full function, comprehensive Frequency, Time, and NTP standards including multiple frequency outputs with very low phase noise, to simple NTP servers to build in to custom systems. The SAASM enabled solution allows

an external P(y) code receiver to be connected providing a secure solution for military environments. The WiMax configuration is designed to drive a 360 deg. triple antenna system while the mobile version provides continuous update of position, velocity and heading.



## Quartz and Rubidium Frequency Standards



[ptf 2210A](#) Low Phase Noise Quartz  
[ptf 4210A](#) High Performance Rubidium

[ptf 4211A](#) Std. Performance Rubidium  
[ptf 4220A](#) Ultra Low Noise Rubidium

ptf Quartz and Rubidium Frequency Standards provide a range of capabilities including ultra low phase noise options, multiple frequency outputs, remote monitor/control, external input disciplining capability and much more. These frequency standards provide an excellent stand-

alone solution when GPS is either unavailable or unnecessary for the application requirements. Many units also include the option for external disciplining to a 1PPS source if required.

## Frequency Generators, Time Code Generators



[ptf 1229A](#) Frequency Generator

The ptf 1229A is a simple to use frequency synthesizer that can be set to any frequency within the range from DC to 30MHz in 0.1Hz steps. Both sine and TTL outputs are provided, and as standard the unit comes with two separate channels, independently settable (additional channels can be optionally added).



[ptf 3207A-TC](#) Time Code Generator

The ptf 3207A-TC is generates both amplitude modulated (AM) and phase width modulated (DCLS) IRIB B and NASA 36 time codes and IRIG A,G,H DCLS time codes. The unit has count down capability, and can be run independently, or slaved to an external IRIG DCLS source and automatically acquire time

## NTP Displays and Time Code Displays

### Displays

<a href="#">NTDS16</a>	6 x 1" digits	<a href="#">NTDS26-DF</a>	6 x 2" digits(Dual)	<a href="#">NTDS84</a>	4 x 8" digits
<a href="#">NTDS19</a>	9 x 1" digits	<a href="#">NTDS29</a>	9 x 2" digits	<a href="#">NTDS86-DF</a>	6 x 8" digits(Dual)
<a href="#">NTDS112</a>	12 x 1" digits	<a href="#">NTDS44</a>	4 x 4" digits	<a href="#">NTDS4626</a>	6x4" and 6x2"
<a href="#">NTDS24</a>	4 x 2" digits	<a href="#">NTDS46</a>	6 x 4" digits	<a href="#">NTDS8646</a>	6x8" and 6x4"

