PTF
Precise Time and Frequency,LLC
an LGL Group company

Short Form Catalog

Precise Time and Frequency, LLC
an LGL Group Company

Precise Time and Frequency, LLC, 50L Audubon Road, Wakefield, MA 01880, USA
Tel: (+1) 781 245 9090 Fax: (+1) 781 245 9099 www.ptf-llc.com

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Distribution Amplifiers

Standard 12 Channel, Optical, and Configurable

ptf 1202A	HF Distribution (30MHz - 400MHz)	ptf 1206A	Configurable Distribution (1U)
ptf 1203C	RF Distribution (0.5MHz - 50MHz)	ptf 1207A	Configurable Distribution (2U)
ptf 1203D	RF, Matched Phase Distribution	ptf 1208A	Optical Distribution (Transmitter)
ptf 1204A	Digital Distribution (DC - 50MHz)	ptf 1209A	Optical Distribution (Receiver)
ptf 1205A	Time Code Distribution (A,B,D,E)	ptf 1231A	GPS Antenna Distribution

12 and 16 Channel Distribution with Remote Monitor/Control

ptf 1203C-MC	12 Channel RF, Monitor/Control	ptf 1603A	16 Channel RF, Monitor/Control
ptf 1204A-MC	12 Ch. Digital, Monitor/Control	ptf 1604A	16 Ch. Digital, Monitor/Control
ptf 1205A-MC	12 Ch. Time Code, Mon./Contr.	ptf 1605A	16 Ch. Time Code, Mon./Contr.

Redundancy Auto Switches with Remote Monitor/Control

ptf 1207A	Failsafe, multi channel auto switch	ptf 1226A	RF/Digital Pair input, Multi Output
ptf 1220A	RF/Digital Pair Auto Switch	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.

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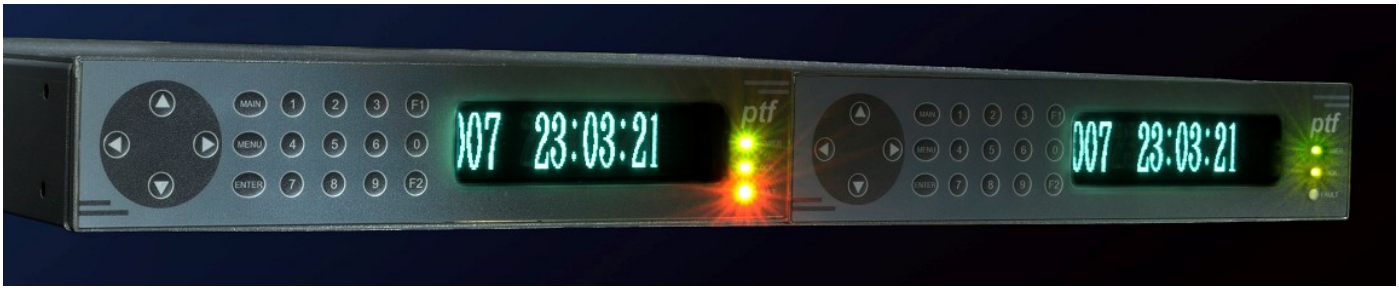
GNS Receivers, Frequency Standards, and NTP Servers

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 solutio

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.

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Quartz and Rubidium Frequency Standards

ptf 2210A	Low Phase Noise Quartz	ptf 4211A	Std. Performance Rubidium
ptf 4210A	High 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

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

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