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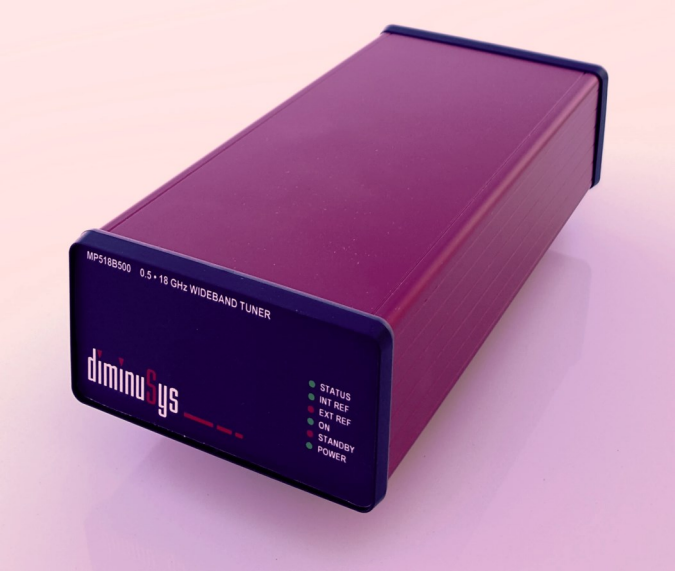

MP518B500
Portable Wideband Tuner

0.5 to 18 GHz Input
500 MHz Bandwidth

The MP518B500 is the compact microwave tuner spanning the full 0.5 to 18 GHz input band, with instantaneous bandwidth of 500 MHz.

The MP518B500 operates via USB 3.0 user interface, with open architecture control of frequency, gain/attenuation and preselection. Its wideband output is centered at 1000 MHz - auxiliary IF outputs are synchronous and centered at 900, 120 and 21.4 MHz. The MP518B500 is powered by a single 9-36 volt DC supply.

The MP518B500 is ideal for a host of lab and field applications, including extension of vintage receiver and demodulator capability to 18 GHz.

Applications

- Tuning of demodulators
- Wideband data collection
- ELINT/SIGINT/COMINT
- Receiver frequency extension
- EMI extension to 18 GHz
- Mobile and covert operations

Attributes

- Continuous 0.5 to 18 GHz tuning
- 500 MHz instantaneous bandwidth
- Fast
- Low noise
- Selectable preselection
- Gain control
- Four synchronous IF outputs
- Field replaceable SMA input
- USB 3.0, open architecture control

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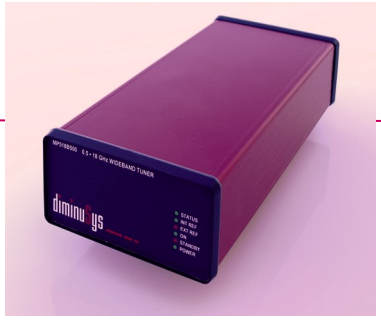
MP518B500 Wideband Tuner



Specifications

Electrical	
Input Frequency	0.5 to 18.0 GHz
Main Output	1000 MHz
Instantaneous Band-	500 MHz
Aux Output 1	900 MHz
Aux Output 2	120 MHz
Aux Output 3	21.4 MHz
Frequency Inversion	No
Preselection	Selectable, with Bypass
Gain	-40 to +20 dB
Tuning Time	150 us
Gain Adjust Time	40 ns
Preselector Setup Time	50 ns
Noise Figure	10.5 dB
3rd Order Output	+23 dBm
Internal Reference	10 MHz
Control Interface	USB 3.0
RF Input Connector	Field Replaceable SMA
Power	9-36 VDC (AC Adapter Included)

Physical	
Dimensions	9.1” x 4.1” x 2.1”
Weight	23 oz.
Construction	Extruded Aluminum

Temperature	
Operating	0 to +40 °C
Storage	-20 to +55 °C

Origin	
Design	Irvine, CA
Manufacturing & Test	Las Vegas, NV

Export	
Classification	ITAR Controlled

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