

Features

- Extremely Wide Operational and Instantaneous Bandwidth
- RF_{in} to RF_{out} Solution
- Complete TX and RX Modules
- High Dynamic Range
- Customization Available

Applications

- Replace High Loss Coax Cable and Cumbersome Waveguide
- Remote Antenna Sites
- Radio Over Fiber
- Radio Astronomy
- Phased Array Radar
- EW/ECM
- SATCOM
- Delay Lines

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Description

The PSI-2601-110L is a high-performance microwave and millimeter-wave photonic transmitter providing wideband electrical to optical (E/O) conversion for analog input signals to >110 GHz. The PSI-2600-110L consist of a PSI-2600-110UT electrical-to-optical (E/O) transmitter module and a PSI-2600-110UR optical-to -electrical (O/E) receiver module.

Please contact PSI for more information and availability at psi.sales@photonicsinc.com

Preliminary RF Link Performance

Parameter	Condition	Typical	Units
Operating Bandwidth			GHz
Link Gain	@ 10 GHz	-19	dB
Noise Figure	@ 10GHz	30	dB
Input IP3	@ 10 GHz	20	dBm
Spur Free Dynamic Range	1 Hz band @ 10 GHz	109	dB/Hz ^{2/3}

