

## UPSTREAM RECEIVER FSX-RXU DTX-RXU



### FEATURES & BENEFITS

- 5 to 300 MHz Bandwidth
- One or Two Receivers per Module
- Low Noise PIN Photodiode Detector
- Versatile Plug-and-Play Flexibility
- Compact
- Convenient RF Test Point
- Modular Design

The IPITEK® FSX/DTX-RXU is used to receive return path information, in the 5-300 MHz window, from remote transmitters and optical node sites. This flexible plug-and-play unit can be purchased with either one or two receivers per module for cost-effective, high density installations.

The receiver converts a return path lightwave signal to RF and amplifies the signal to an RF output level of +20 dBmV/channel (30% OMI, -12 dBm received optical power).

A -20 dB RF test point is conveniently located on the module's front panel for easy monitoring of the unit's RF output(s).

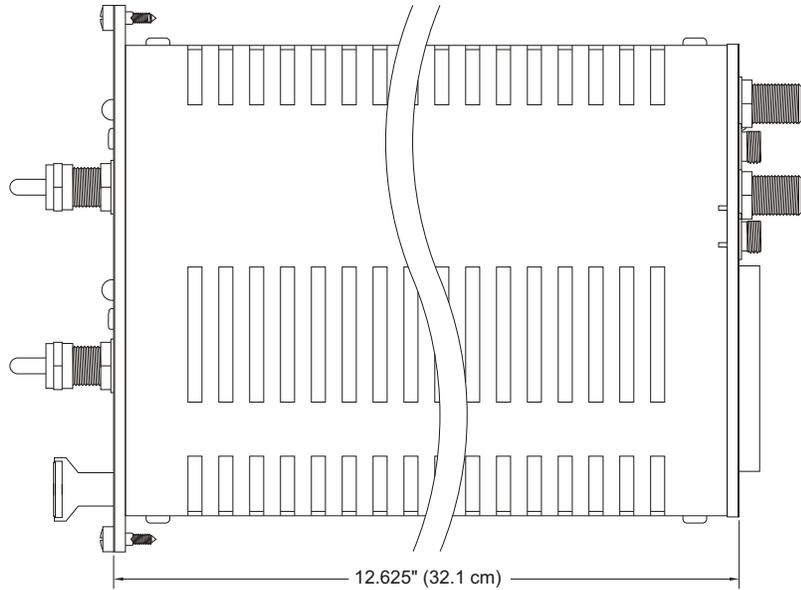
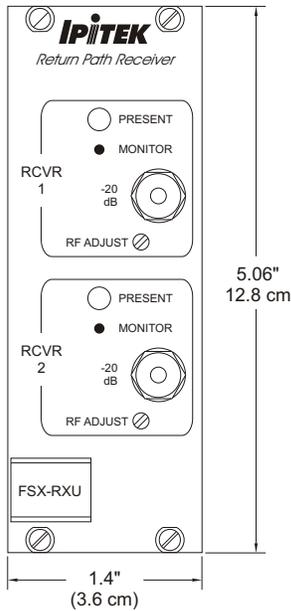
The receiver may be specified for several optical connectors, including FC, SC, and E-2000, for the

module's easy integration into your system. One FSX Chassis can hold up to 10 receiver modules (20 return receivers) and one DTX chassis can hold up to 8 receiver modules (16 return receivers).

The FSX/DTX Systems house a number of modular components. These include Upstream and Downstream Laser Transmitters, Upstream and Downstream Receivers, Optical Switch, Amplifiers, Power Supply(s) and Fan Bay, offering great flexibility and minimizing your spatial requirements.

Large available return bandwidth and a compact design, coupled with IPITEK's commitment to quality, make this inexpensive return path receiver the choice for your optical transport needs.

# MECHANICAL



# SPECIFICATIONS

### Electrical

Frequency Response: 5 to 300 MHz  
 Flatness:  
     5-300 MHz: ±0.75 dB  
 RF Output:  
     Level: +20 dBmV/channel min. for rated specifications (30% OMI, -12 dBm)  
             +30 dBmV option available  
     Connector: F-Type  
     Impedance: 75 ohms  
     Return Loss: 18 dB min.

### RF Test Point:

Level: -20 dB\*, ±1 dB  
 Connector: F-Type  
 Impedance: 75 ohms  
 Return Loss: 14 dB min.

\*Optional -30 dB test point available, call for details.

### Optical

Optical Input Return Loss: 55 dB  
 Optical Input Level: -3 dBm to -18 dBm  
 Connector: FC, SC or E-2000

### Environmental

Operating Temperature: 0°C to +50°C  
 Storage Temperature: -40°C to 70°C  
 Humidity: 5% to 85% non-condensing  
 Power Consumption: 21 watts @ 24 VDC  
 Weight: 3.5 lbs.

# ORDERING INFORMATION

<b>FSX-RXU</b>	<b>- 300</b>	<b>- S</b>	<b>- P00</b>	<b>- N</b>	<b>- N</b>	<b>- FT</b>	<b>- XX</b>	<b>- X</b>
<b>12-SLOT FSX COMPATIBLE UPSTREAM RECEIVER MODULE</b>	<b>Bandwidth</b> 300 = 5 - 300 Mhz	<b>No. of Receivers</b> S = Single D = Dual	<b>Max Input Power</b> P00 = +0 dBm	<b>Pilot Tone</b> N = None	<b>AGC</b> N = None	<b>RF Connector</b> FT = F-Type	<b>Optical Connector</b> FC = FC SC = SC E2 = E-2000	<b>Polish</b> A = APC P = UPC

<b>DTX-RXU</b>	<b>- 300</b>	<b>- S</b>	<b>- P00</b>	<b>- N</b>	<b>- N</b>	<b>- FT</b>	<b>- XX</b>	<b>- X</b>
<b>10-SLOT DTX COMPATIBLE UPSTREAM RECEIVER MODULE</b>	<b>Bandwidth</b> 300 = 5 - 300 Mhz	<b>No. of Receivers</b> S = Single D = Dual	<b>Max Input Power</b> P00 = +0 dBm	<b>Pilot Tone</b> N = None	<b>AGC</b> N = None	<b>RF Connector</b> FT = F-Type	<b>Optical Connector</b> FC = FC SC = SC E2 = E-2000	<b>Polish</b> A = APC P = UPC



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IPITEK reserves the right to modify product specifications without prior notification.