



RF Components

GPS Over Fibre ODU

1310nm Transmit

Model Number:
SRY-TX-L1-911

- Compact weatherproof, IP65 housing
- Antenna fail alarm pass through at the indoor receiver output
- Power provided for active antennas, 12V, 500 mA, short circuit protected
- LED indicators for module & antenna power and RF status
- Redundant hot swap external power supply
- For use with ETL's GPS receive unit models SRY-RX-L1-466 (standalone) & SRY-RX-L1-266 (19" rack mounted)

Available with RF connector options:

- 50 Ω SMA
- 50 Ω N-type

Compact & Weatherproof
Housed in IP65 rated weatherproof enclosure



850-2450 MHz
Extended L-Band
Operating Frequency

Monitoring
Optical and RF levels reported at receiver

Flexible Mounting
Band on to pole or bolt to wall

RF Parameters (TX Module)			
Model Number		SRY-TX-L1-911(transmit)	
Frequency Range		850-2450 MHz (Extended L-band)	
Return Loss	Typical	15 dB 50Ω SMA	15 dB 50Ω N-Type
	Minimum	10 dB 50Ω SMA	10 dB 50Ω N-Type
OIP3		-21 dBm (Typical Link: 1.5 GHz, -50dBm in & out. Fixed gain)	
CNR (in any 4 MHz)		41 dB (Typical Link: 1.5 GHz, -50dBm in & out. Fixed gain)	
SFDR		90 dB/Hz ^{2/3} (Typical Link: 1.5 GHz, -50dBm in & out.)	
Max RF Input		16 dBm total power (Damage level, NOT operational)	
Input AGC		-10dBm Max (Inc. Noise) -60 dBm Min (Min I/P for max O/P)	
Noise Figure		17 dB (Typical Link: 1.5 GHz, -50dBm in & out)	
Laser Type		DFB (Two stage optical isolator for improved performance)	
Optical Wavelength		1310 ± 10 nm	
Optical Power		3.8 ± 2.5 dBm	
Power Consumption		5W	
Antenna Powering		12V DC 500mA via RF input port	Always on short circuit protected
MTBF		> 120,000 hours	
RF Connectors		N-Type 50 Ω - other connector types may be available upon request	
Optical Connectors		Senko IP-SC/APC	
Power Connectors		LEMO EEL.1K.304.CLA	

Broadcast



Marine Oil & Gas



SNG & VSAT



Satellite Teleport



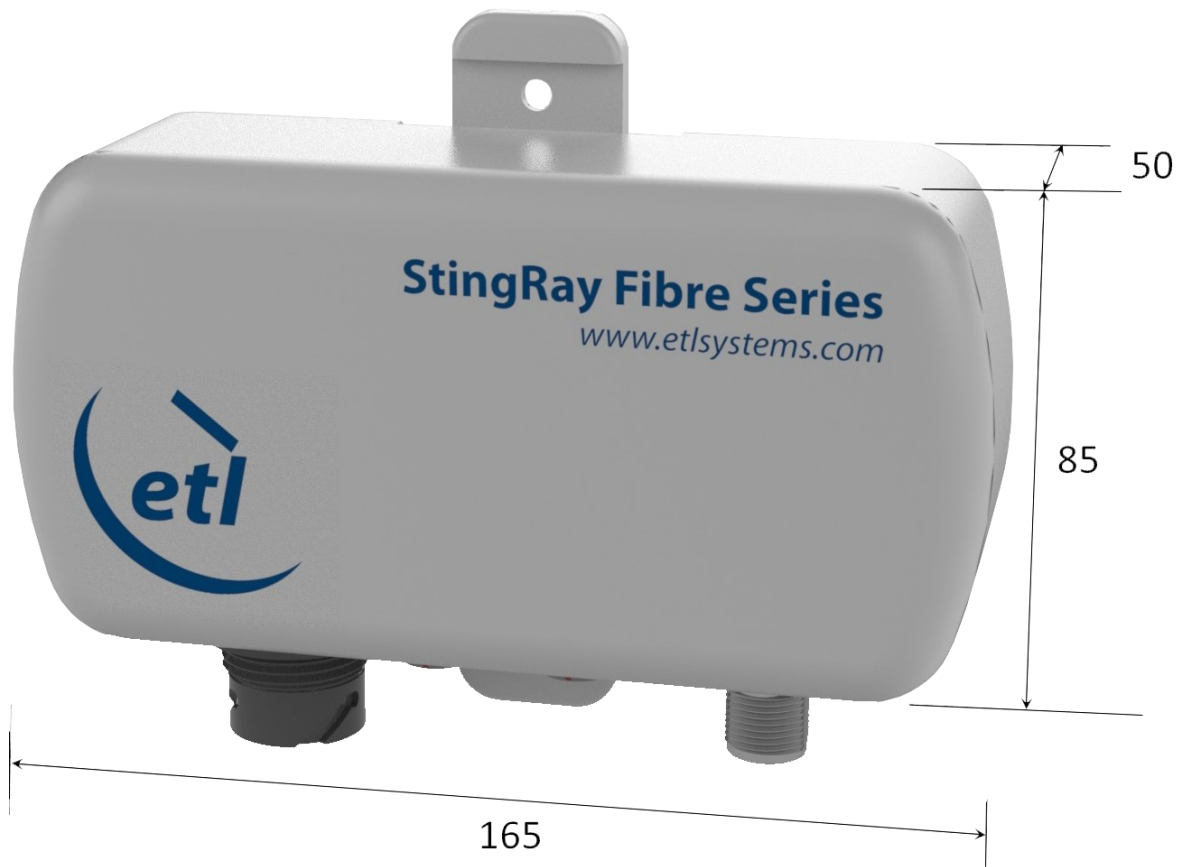


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GNSS Over Fibre ODU

Environmental Conditions	
Operating Temperature	-20 to +55°C
Storage Temperature	-40°C to +85°C
Location	Indoor or Outdoor use to IP65 (Out of direct sunlight)
Humidity	20 to 90% non-condensing (relative humidity)
Altitude	10,000 ft AMSL (above mean sea level)
Mass	1kg
Size	165 x 85 x 50 mm (Excluding mounting flanges and connectors)

Physical Dimensions (mm)



The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved specification accuracy.

Note-1: Typical parameters are guide figures and measured data may deviate from the quoted figures. ETL endeavours to exceed the quoted typical parameters where practically possible.

Note-2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage. For reliable long term operation do not exceed the parameters given in above.

Note-3: The spec table is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.

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