

## **Model Number:**

**SRY-TX-Y-481** 

### **Optical Fibre 10MHz Reference Transmit Module**

Optical Wavelength 1310 ± 10 nm



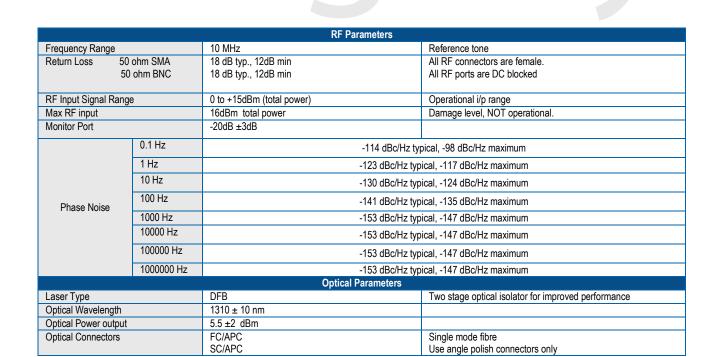


- Compact EMC sealed housing featuring an RF monitor port
- Converts a 10 MHz reference signal to 1310nm for transmission over a single mode fibre.
- -20 dB monitor port

Flexible Mounting Through hole mounting

Available with connector options:

- FC/APC or SC/APC optical connectors
- SMA or BNC in 50 ohm RF connectors





**Monitoring Port** 







www.etlsystems.com



# Model Number: SRY-TX-Y-481

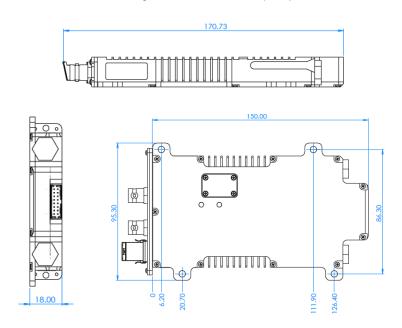
#### Optical Fibre 10MHz Reference Receive Module

Non RF Parameters			
Module swap	Hot swap		
Power supply voltage	12V ±1V	Single or dual redundant power	
Power consumption	6W		
MTBF	TBD hours	Module MTBF	
Control, Monitoring & Alarms			
Control	Local	Switch 4 OFF = AGC ON = Fixed Gain	
Temperature monitors	Each module monitored,	All are independently monitored and reported.	
Monitoring includes	Laser Optical Output Power RF input power, -10 to +10 dBm Status of amplifier stages	In each module Local via LED.	
AGC	Factory set	Maintains optimum level of laser modulation over input range	

#### Technical specifications and operating parameters

Environmental Conditions			
Operating Temperature	-20°C to +60°C		
Storage Temperature	-40°C to +90°C		
Location	Indoor use	Outdoor Use available in a different Model Number	
Humidity	20 to 90% non-condensing	Relative Humidity	
Altitude	10,000 ft AMSL	Above mean sea level	
Mass	0.35 Kg typical		
Size	87.8 x 18 x 150 mm	See Figure 1.	

#### **Physical Dimensions (mm)**



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.

Note-4: Any combination of RX or TX modules of series 2xx can be fitted into this chassis, SRY-C2xx series.

Note-5: The receiver is optimized for operation at 1310 nm and 1550 nm but may be used over a wide wavelength range ranging from 850 nm to 1600 nm.

ETL SYSTEMS LIMITED Coldwell Radio Station Madley Hereford England HR2 9NE

TELEPHONE +44 (0)1981 259020

EMAIL info@etlsystems.com

FACSIMILE +44 (0)1981 259021

WEB www.etlsystems.com









