



GPS Over Fibre ODU

1310nm Transmit

Compact & Weatherproof
Housed in IP65 rated weatherproof enclosure

850-2450MHz
Extended L-band operating frequency



Flexible Mounting
Band on to pole or bolt to wall

Monitoring
EOptical and RF levels reported at receiver

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 N-Type
	Minimum	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 and 75 Ω F-type - other connector types may be available upon request	
Optical Connectors	Senko IP-SC/APC	
Power Connectors	LEMO EEL1K.304.CLA	

Environmental conditions	
Operating Temperature	-20°C 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
Altitude	10,000 ft AMSL
Mass	1kg
Size	165 x 85 x 50 mm (Excluding mounting flanges and connectors)

Physical Dimensions (mm)

