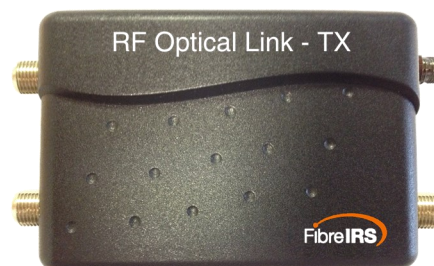
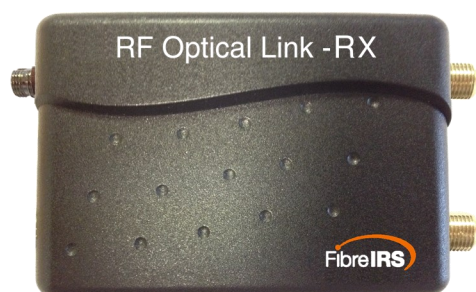


- Simple link over fibre
- Single PSU for multiple transmitters
- Cost effective
- 10km range



The RF optical link system has been designed to allow one satellite polarity with FM, DAB and DTT to be distributed over single fibre. For additional polarities extra transmitter units can be daisy chained together (Maximum 4) from one power supply. This enables one satellite to be distributed over 4 fibres.



#### Product Part No.

RF Optical Link - Tx	F813009
RF Optical Link - Rx	F813010

## Technical Specifications

Optical			
Parameter	Min	Max	Notes
Optical Wavelength Tx (nm)		1310	±40nm
Optical Wavelength Rx (nm)	1100	1600	
Return loss (dB)	20		
Optical power Tx only (dBm)		7	

SAT, DTT, DAB and FM (Electrical)			
RF frequency range			
DTT	470-862MHz		
DAB	174-240MHz		
FM	88-108MHz		
SAT	950-2150MHz		
TOTAL	50-2350MHz		
Nominal impedance	75Ω		
Return loss	9dB		
Input power DTT (Tx)	60dBμV	92dBμV	DAB power levels need to be set 14dB below DTT FM power level needs to be same as DTT. DTT +7dB with respect to satellite
Input power SAT (Tx)	60dBμV	85dBμV	
Gain variation across band	4dB		

DC specification		
Input voltage range	12V to 20V	
LNB supply voltage	12V to 20V	Fed through RF IN
Current consumption Tx	<200mA	Excluding LNB
Current consumption Rx	<140mA	

Connectors (Tx)	
Output	Fibre Optic FC/PC
DTT/DAB/FM	F
Power supply in/out	F

Environmental Specification	
Operating temperature	-20 to 55°C
Storage temperature	-20 to 65°C

Connectors (Rx)	
RF Out / Ter out	F
Input	Fibre Optic FC/PC
Power supply	2.1mm Jack

Optical cabling	
Fibre type	Single mode
Standard	GI - approved G657a

Dimensions	
Size	85 x 55 x 25 mm
Weight	

Laser Classification	
Class 1M	

**Global Invacom will only support systems that are installed using  
GI - approved fibre cabling & system components**

Note: Specifications subject to change without notice