

ViaLiteHD® – Green OEM Link

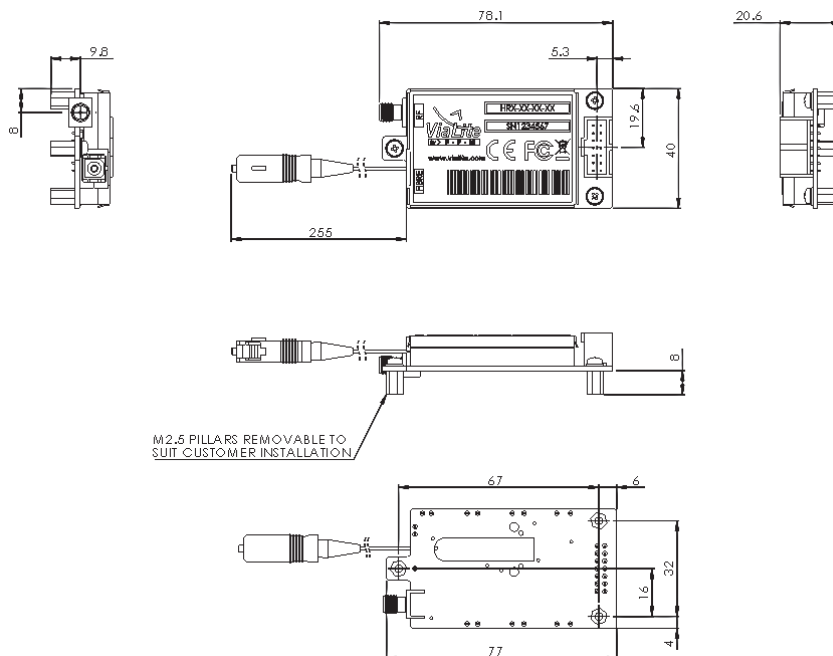
Green OEM RF over Fiber Link

- Single Tx or Rx
- 100 to 1000 MHz
- <1 W (low power consumption)
- 87 x 46 x 19.6 mm with mounting plate
- For Wireless Cameras or Microphones



The **ViaLiteHD Green OEM Link** is a small RF over fiber OEM module, which is available to cover **ViaLite** broadcast bands. The Green OEM Link can be supplied in transmitter or receiver formats and is typically integrated into customer equipment. The link is available with an SC/APC or E2000/APC optical connector, and either a 50 Ω SMA or 75 Ω MCX RF connector. The 14-pin Molex header connector provides connection for Tx or Rx alarms and for connecting a power supply.

Mechanical dimensions (mm)

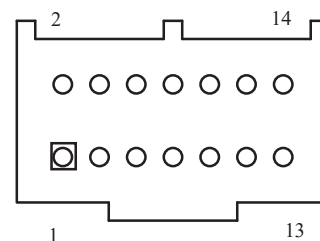


Technical Specification

	Green OEM LINK
Dimensions	With Classic adaptor plate: 87 x 46 x 19.6 mm With no adaptor plate: 77 x 40 x 15.6 mm With stand-offs and no adaptor plate: 77 x 40 x 20.6 mm
Weight	Transmitter: 60 g Receiver: 55 g
Standard Operating temperature	-20 °C to +60 °C
Humidity	0-95 % non-condensing
Cooling	Convection
Power consumption	Transmitter: 1.1 W Receiver: 0.8 W
DC Input voltage	11 to 13 V, 12 V nominal
Connector (Power & Alarms)	14-pin Molex header connector
Connector (Optical)	E2000/APC or SC/APC
Connector (RF)	50Ω SMA or 75Ω MCX
RF module Types	Transmitter or Receiver Broadcast Band (V) (100-1000 MHz)

Green OEM Link connections

Pin	Cable Colour	Function
1	Pink	Not used
2	Pink	Do not use, otherwise may cause damage
3	Pink	Not used
4	Pink	Do not use, otherwise may cause damage
5	Orange	Alarm Output (Open Drain)
6	Pink	Not used
7	Red	+12.0 VDC Supply to Module
8	Black	Supply 0 VDC Return
9	Pink	Not used
10	Purple	Not used
11	Black	Supply 0 VDC Return
12	Pink	Not used
13	White	Tx: LNA Feed*. Rx: not used
14	Green	Analogue Monitor Output. Tx: Laser Current. Rx: RLL (Received Light Level).



Top view of the 14-pin header

- Note:**
1. Cable assembly part number 73664 (supplied) for connection to the module, 25cm, fitted with Molex connector.
 2. LNA feed is fused with 0.75A hold and 1.5A trip. Feed voltage -28VDC to +28VDC.