

# SOLO4 – Robust Clip-on 1W Amplifier

COFDM – Video, Audio Telemetry and IP Products

# COBHAM

October 2011 Data Sheet

The most important thing we build is trust



SOLO4 Robust Clip-on 1W Amplifier

The Robust SOLO4 Bolt-on 1W Amplifier from Cobham Tactical Communications and Surveillance provides increased range for our robust range of digital video transmitters.

The narrow bandwidth associated with COFDM means that this unit provides exceptional spectral efficiency allowing multiple high quality video links to operate within the same bandwidth traditionally held by a single analogue video signal. The multicarrier modulation scheme has the ability to cope with severe channel interference such as fading and multi-path, making it ideal for surveillance operations.

The Robust 1W Amplifier combined with the Robust SOLO4 Transmitter provides a rugged non line-of-sight (NLOS) link over a range of around 1km with non-directional antennae, and gives line-of-sight (LOS) operation to several kilometres, whilst the sealed IP 67 rated aluminium enclosure allows the unit to be deployed in external environments for prolonged periods of time.

## Specification:

### Input

RF In TNC  
12V DC In 3 pin amphenol

### Output

RF Output TNC

### RF

Frequency Bands 1.00 to 1.50 GHz  
2.00 to 2.50 GHz  
3.10 to 3.40 GHz  
Power In 100mW  
Power Out 1W

### Physical

Dimensions L 150mm, W 116mm, H 43mm  
L & S-Band L 199mm, W 116mm, H 43mm  
C-Band

### Power

DC input 10 to 16V  
Power Consumption 10W typical

### Environment

Temperature Range -20 to +50 deg C  
Sealing IP67

## Associated Equipment:

### The following devices are also part of the system

SOL4TXR Robust SOLO4 Transmitter  
SOL4RXR Robust SOLO4 Receiver

### Product Code:

SOLAMPR1W-100150  
SOLAMPR1W-200250  
SOLAMPR1W-310340

For further information please contact:

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