

# Modular 40 GHz Optical Link

The Micreo Modular Link is a highly customisable wideband microwave optical link. The links utilise 1RU 19" rack enclosures, each housing up to four transmitter or receiver modules. The modules are configured to suit customer requirements and transmit/receive pairs feature flat gain response over frequency.

## Applications

- Antenna Remoting / Satcom
- Replacement for long coaxial cables
- Laboratory signal distribution
- Low-loss, long-distance RF links

## Key Features

- Frequency Range up to 40GHz
- Flat Frequency Response
- Up to 4 transmit/receive modules in each 1RU 19" rack enclosure
- BIT

## Example link configurations

### 40 GHz High Power

- 10MHz-40GHz
- 9dB  $\pm$ 2dB RF gain
- 15-20dBm Output P1dB
- <47dB noise figure

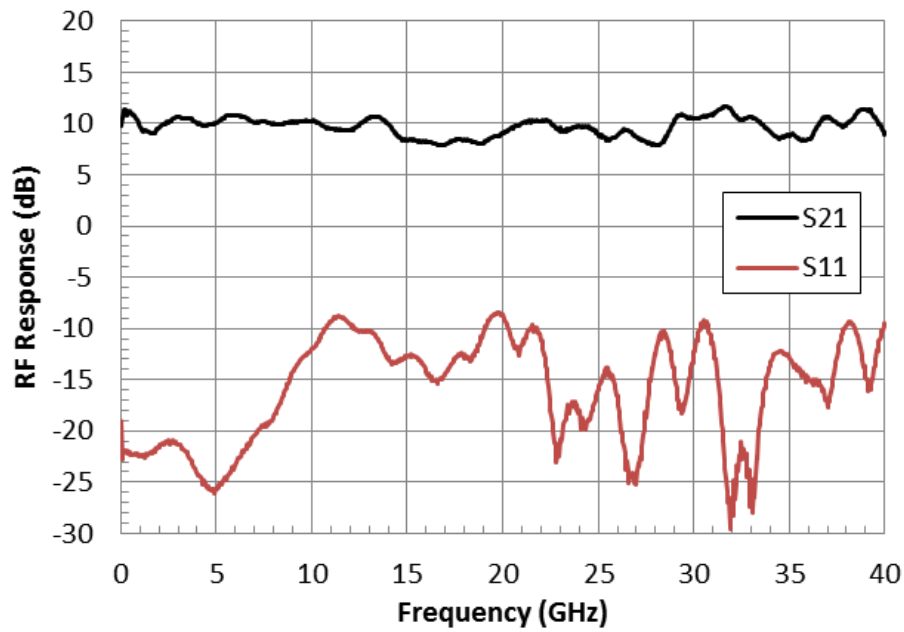
### 40 GHz Low-Noise

- 10 MHz-40GHz
- 9dB  $\pm$ 2dB RF gain
- >-17dBm Output P1dB
- <15dB noise figure

## Specifications

RF Input VSWR:	2:1 maximum
RF Connectors:	2.4 mm / 2.92 mm / SMA
Optical Connectors:	FC/APC (SM Fiber)
Optical Wavelength:	1550nm
Laser Safety:	Class 3R
Power Supply:	+12V DC and/or 110/230V AC mains
Operating temperature:	0°C to 50°C
Humidity:	95% non-condensing
Dimensions:	
Width:	19"
Height:	1RU
Depth:	320mm
Regulatory:	CE, FCC, IC, RCM, RoHS, WEEE





**Micreo**  
one step ahead

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## Ordering information:

Please contact us for more information.

L3 Micreo reserves the right to amend specifications in the light of continuing development.  
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