



BPH022

0.5-40GHz Four Channel Optical Link

BPH022 is a wideband microwave optical link catering for up to 4 RF inputs to the Transmitter, each modulated onto an optical carrier across 4 separate channels. The Receiver demodulates the 4 optical carriers to generate 4 separate RF outputs.

Applications

- Radar Threat Simulators
- Automated Test Equipment
- Flight Line Test Equipment

Key Features

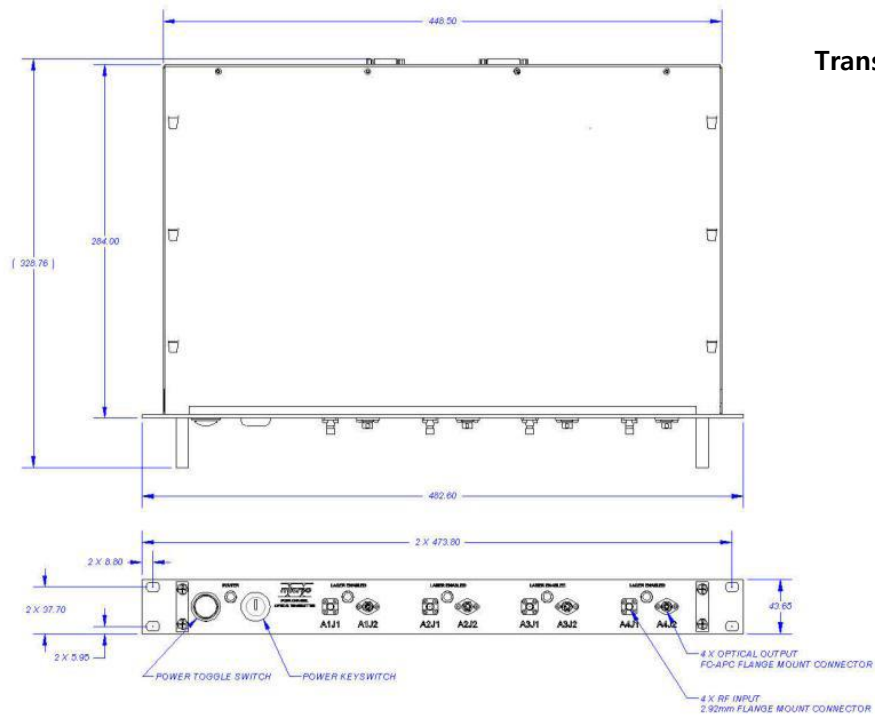
- Frequency Range 0.5-40GHz
- Flat Frequency Response
- Low spurious output
- Independent channel control and monitoring
- 1U 19" rack mount transmitter module
- Compact receiver module, only 271mm x 257.4mm x 102.6mm

Specifications

Frequency Range:	0.5-40GHz (2-20GHz option available)
Maximum Insertion Loss:	27dB
Insertion Loss Slope:	3dB
Ripple on Insertion Loss Slope:	±1dB maximum
Input P1dB:	+17dBm minimum
Maximum Input Power:	+20dBm
Spurious at -5dBm Input Power:	-60dBc
Harmonics at -5dBm Input Power:	-60dBc
VSWR:	2.0:1 maximum
Warm up time:	30 minutes maximum
Loss stability after warm up:	±0.5dB
Transmitter Power Supply:	+6V ±0.5V
Transmitter Current:	9.0A maximum
Monitor & Control Interface:	RS-232
RF Connectors:	K-type Female
Optical Connectors:	FC/APC
Tx DC Power Connector:	15-pin D-sub plug
Tx Monitor & Control Connector:	9-pin D-sub plug
Operating Temperature:	+10°C to +40°C (Contact Factory for other ranges)

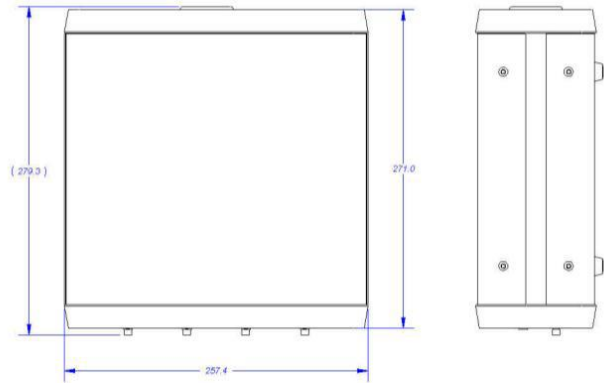


Micreo
one step ahead



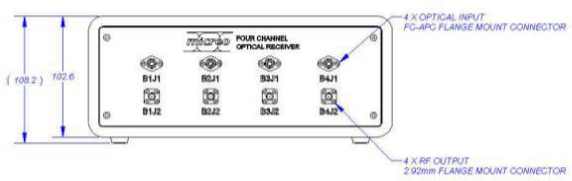
Transmitter Outline Drawing

(Dimensions in mm)



Receiver Outline Drawing

(Dimensions in mm)



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Ordering information:

592-BPH022 0.5-40GHz Four Channel Optical Link

Please contact us for more information.

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