

Fiber Optic Multiplexer Modules

MicroMux

Integrated Fiber Optic Multiplexer

Description

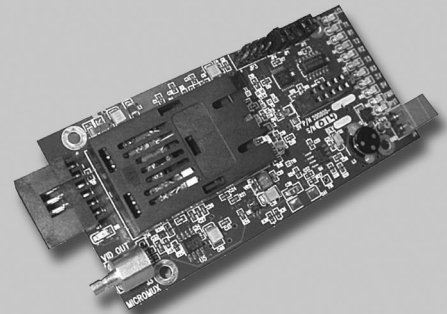
The Prizm™ MicroMux provides an elegant solution for limited space applications. The unit is a fully integrated fiber optic digital video and data multiplexer / modem. The MicroMux is available in a pressure tolerant version designed to operate at ambient pressures of 10,000 psi in oil.

Features

- Fully transparent video and data link
- Provides 1 video channel and 3 data channels
- Designed for operation in harsh environments (-20° to +70° Celsius)
- Optional daughtercards available
- Custom configurations available

Benefits

- This small lightweight form factor is based on automated surface mount technology. Our smallest multiplexer.
- Custom daughtercards provide maximum interface flexibility
- The MicroMux is available in single and dual fiber solutions, with singlemode or multimode fiber. Daughtercards add audio or additional data channels



Typical Applications

- Subsea Vehicles

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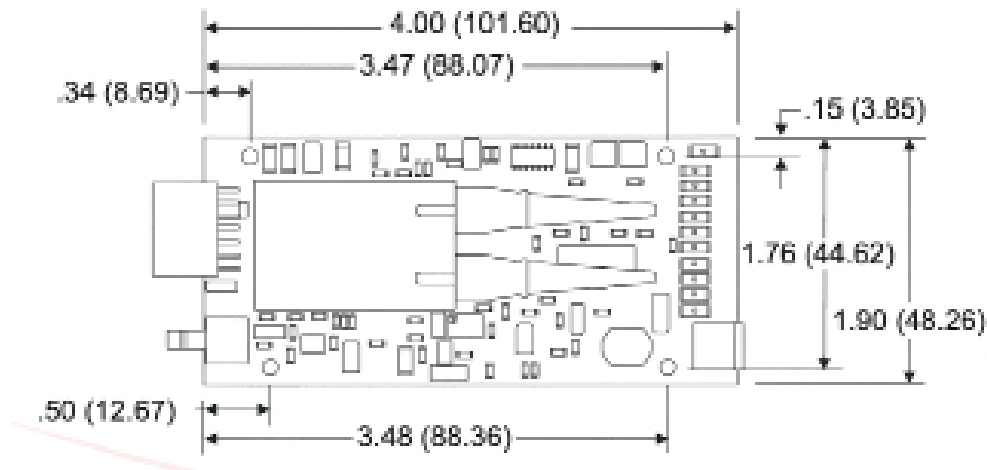
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Specifications

Video	
Format	1 NTSC / PAL compliant
Quantization	10 bits @ 16.67 MHz sampling
SNR	> 60 db
Bandwidth	+ / - 2 V p-p max, 75 ohms
Optical	
Fiber	Singlemode or multimode
Link Rate	622 MBaud
Optical Budget	20 db typical
Mechanical Connectors	
Optical	ST or SC
Video	SMB
Data	10 - pin data header
Power	2 - pin Phoenix

Supply	
Voltage	m+5 VDC (other options available)
Power	5 watts max
Data	
RS-232	Two bidirectional up to 115 KBAud
RS-422 / 485	One bidirectional up to 2 MBaud
Daughterboards	
A	One bidirectional audio channel
B	Custom upon request
Environmental	
Operating Temperature	-20° to +70° Celsius
Storage Temperature	-40° to +85° Celsius
Relative Humidity	Up tp 90% non-condensing

Mechanical Information



Dimensions in inches.

24 / 7 Technical Customer Support
Hotline: 610-605-6101

Specifications and information are subject to change without prior notice.
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