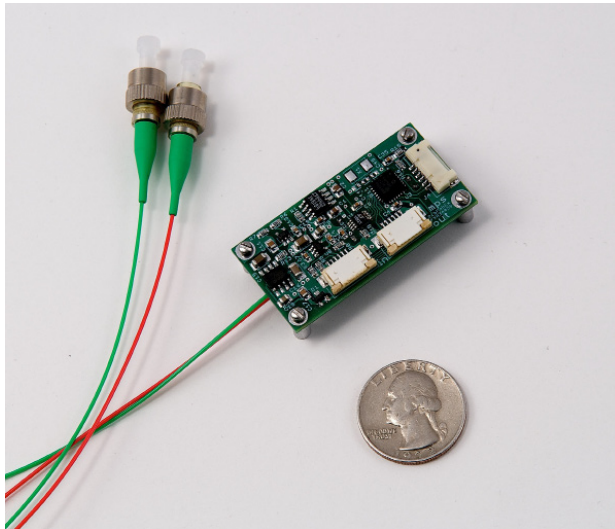


microwave photonic systems

MPS-2400

Singlemode Digitally Controlled Variable Optical Attenuator (VOA)



Provides Digitally Controlled Optical Attenuator Capability when Distributed Power Equalization is Required.

The MPS-2400 VOA is a digitally controllable attenuator that offers a turnkey solution for platform integrators requiring a method to balance system optical power levels.

The MPS-2400 is designed around a GR-1221 qualified MEMS attenuator which is voltage controlled in either a transparent (increased voltage = less attenuation) or an opaque (increased voltage = greater attenuation) manner.

The MPS-2400 VOA offers multi-wavelength capability to support WDM, CWDM and DWDM network applications with an attenuation resolution of .25 dB with a maximum range option of up to 40 dB.

The MPS-2400 communications interface is configured as a Serial Peripheral Interface (SPI) Slave such that each VOA is software addressable to share a chip select pin, and multiple VOA's can be integrated into one system.

The MPS-2400 is available with 250 μm bare, 900 μm buffered or 3mm jacketed fiber leads and can be supplied with or without connectors.

Information: Call us toll-free at 888-868-8967 or email info@b2bphotronics.com

Applications

- Telecommunication Systems
- Local Area Networks (LAN)
- CATV Systems
- EDFA Transmission Systems
- Digital, Hybrid and AM - Video
- RF/Analog Antenna Links

Features

- Small Form Factor
- Light Weight
- Digitally Controlled
- Qualified to GR-1221
- Custom Connectors and Lead Lengths
- Excellent Environmental Stability
- Made in the USA
- Fully Tested and One-Year-Warranty

Microwave Photonic Systems, Inc.

1155 Phoenixville Pike, Unit 106, West Chester, PA 19380, Toll-Free: 888-868-8967

Phone: 610-344-7676, Fax: 610-344-7110, E-mail: info@b2bphotronics.com, Internet: b2bphotronics.com

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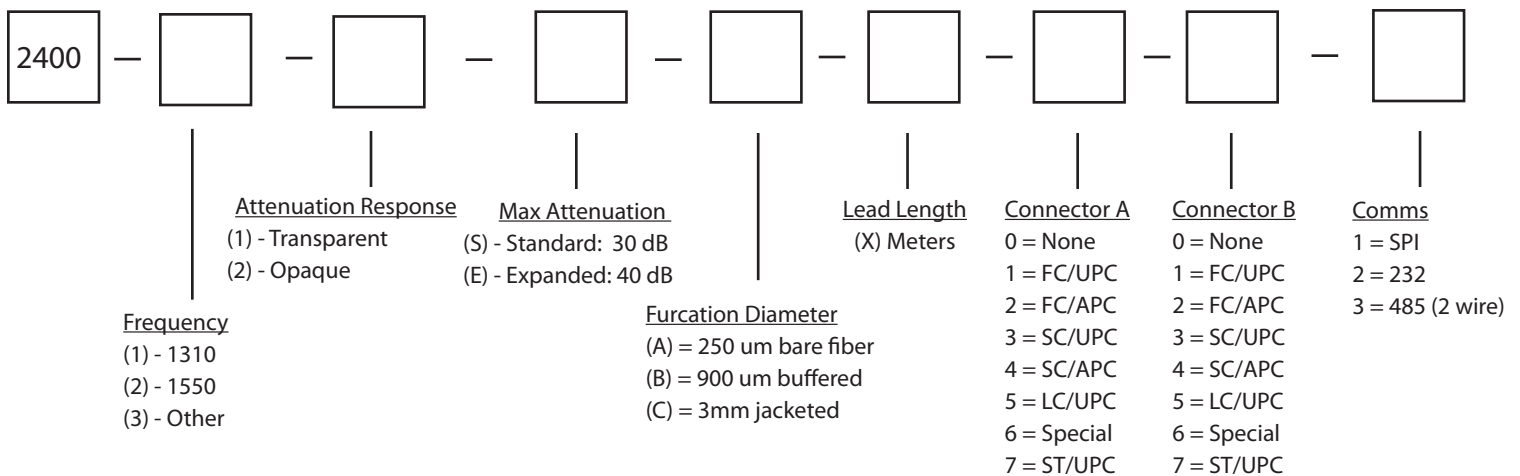
MPS-2400

Singlemode Digitally Controlled Variable Optical Attenuator (VOA)

Specifications

Operating Wavelength:	1290nm to 1610 nm
Optical Fiber Type:	Single Mode Fiber, SMF-28
Optical Connector:	Customer Specified
Attenuation Range:	31.0 dB standard, 40.0 dB option
Intrinsic Insertion Loss:	< 0.8 dB
Return Loss:	> 50 dB
Attenuation Resolution:	0.25 dB
Response Time	< 2 ms
Operating Temperature:	-5° C to +70° C
Storage Temperature	-40° C to +85° C
Dimensions:	2.25"L x 1.25"W x 0.25"H
Mounting:	.098 holes for use with .156 standoffs (x4)
Power Requirements:	5VDC, 20 mA
Weight:	15 grams
Comms Protocol	SPI, 232, or 485
Connector Interface	SPI - 6 Pin Flat Flex , Serial - Harsh Eniorment 9 PIN Micro D

Part Number Generator



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