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TECHNOLOGY GROUP

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Full-service, independent repair center
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along with credit for buybacks and trade-ins.

Custom engineering
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Find the *Opto-Link OLVA-155-FA* at our website: ***Click HERE***

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Variable Optical Attenuator (VOA)

Automatic and manual fiber optic variable optical attenuators (VOAs) are optimized for DWDM network applications. These series offer stable performance over wide temperature and wavelength ranges. In addition, they provide low insertion loss and high resolution and repeatability. Custom design for specific customer applications are available. It is ideal for managing optical power in metro and long haul DWDM transport applications.



Types

- Benchtop with LCD
- Electrical
- Manual

Applications

- CATV systems
- DWDM networks
- Optical add/drop multiplexing
- Optical communication system testing
- Optical device manufacturing
- Optical parameter measurement
- Telecommunication systems
- Power control and equalization in multichannel systems

Features

- High attenuation accuracy
- Low insertion loss
- Large attenuation range
- Compact size
- High stability and high reliability
- Self-diagnostic
- Easy operation

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Tel: +852 2480-6106 Fax: +852 2480-1621 Email: contact@optolinkcorp.com Website: www.optolinkcorp.com
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SPECIFICATIONS

Benchtop VOA

Parameter		Performance	Unit
Operating Wavelength		1280 to 1580	nm
Calibrated Wavelength		1310, 1550, 1310/1550	nm
Attenuation Range		0 to 60	dB
Attenuation Deviation Accuracy		± 0.5	dB
Resolution		0.01 (Typical) 0.02 (Max)	dB
Residual Attenuation	Max	1.5	dB
Return Loss	Min	45	dB
Switching Repeatability		± 0.1	dB
Max. Allowable Input Level		300	mW
Polarization Dependent Loss (PDL)		0.05 (Typical) 0.15 (Max)	dB
Power Supply		220 AC power supply	V
Operating Temperature		0 to 50	°C
Storage Temperature		-10 to +60	°C
Dimensions		210 x 206 x 80	mm³

Output	
Display	4 digits LCD
Display Parameters	Optical attenuation in dB, measurement wavelength, out of range
Connectors	FC/APC, others on request

Electrical / Manual VOA

Parameter		Electrical	Manual	Unit
Calibrated Wavelength		1310, 1550, 1310/1550		nm
Attenuation Range		0 to 30	0 to 40	dB
Resolution	0 - 20 dB	0.1	0.1	dB
	20 - 40 dB		0.3	dB
Insertion Loss	Typ		0.5	dB
	Max	0.6	1.0	dB
Return Loss	Typ	45	50	dB
Polarization Dependent Loss (PDL)	0 - 20 dB	< 0.1	< 0.15	dB
	20 - 40 dB		< 0.3	dB
Operating Temperature		-15 to +70	0 to +60	°C
Storage Temperature		-40 to +85	-20 to +70	°C
Dimensions		50 x 25 x 12	24 x 12 x 12	mm³

ORDERING CODES

Benchtop VOA:

OLVOA – B – [ ] – [ ]

Wavelength	Code
1310 nm	131
1550 nm	155
1310/1550 nm	135

Electrical/Manual VOA:

OLVOA – [ ] – [ ] – [ ] – [ ]

Type	Code
Electrical	E
Manual	MN

Wavelength	Code
1310 nm	131
1550 nm	155
1310/1550 nm	135

Cable Diameter	Code
900 µm	90
3.0 mm	3

Conector Type	Code
No Connector	NC
FC/PC	FP
SC/PC	SP
FC/APC	FA
SC/APC	SA
LC/PC	LP
MU/PC	MP

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We buy equipment

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