Variable Optical Attenuator(VOA) - Module quad

Part Number: 125/0179P

Telstra S/I: 40011262

FEATURES

Fits within modular subrack with up to 3 Cassette capacity (typical 3 48 Way MTPe to LC cassettes).

- High precision
- Wide adjustment range
- Low insertion loss application
- Fiber optic sensing
- Optical fiber communication
- Fiber optic device testing

APPLICATIONS

The Diamond Optics VOA (Variable Optical Attenuator has a range of network applications allowing highly modular design to be implemented in a modular cassette style system.
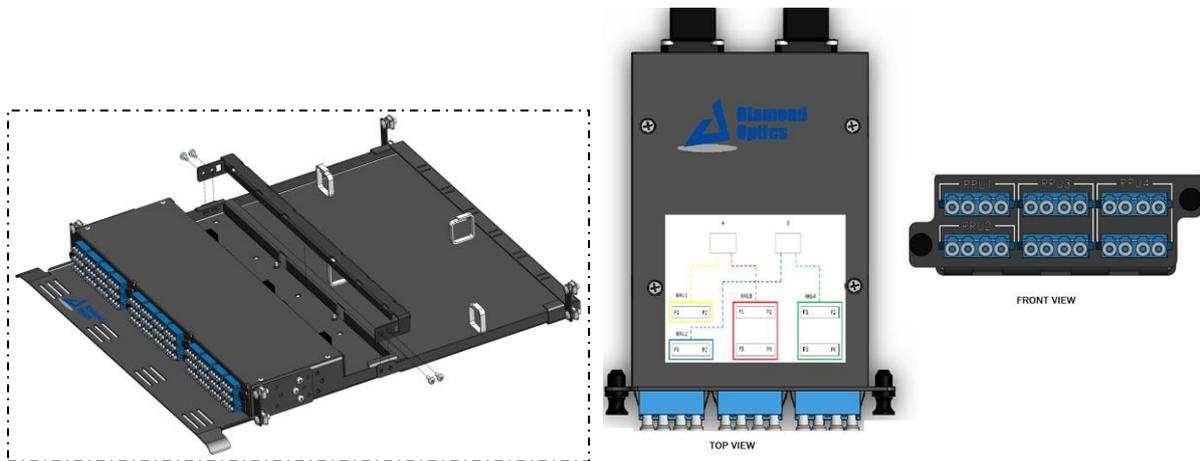
This attenuator module has the ability to equalize optical power levels to the amplifier or other systems allowing the receiver to function within its accepted input power limits. This will minimize the overload and maximize stability capabilities of the amplifier. For other applications it can be applied in series with the high performance LC/A connectivity to allow the specific attenuation required at the relevant wavelength. See optical attenuator specifications in Table 1.

Parameter		Value		
Center wavelength		1310	1550	50
Working wavelength		±30	±30	-
Attenuation range	dB		).7~60	
Insertion loss (excluding connector)	dB	≤0.7	≤0.7	≤1.0
Return loss	dB	≥60		
Polarization dependent loss	dB	20dB attenuation, ≤0.2 for 20~60dB attenuation		
Precision	dB	0.02		
Maximum power		500		
Fiber type	-	SMF-28e		
Operating temperature	℃	0 ~ +70		
Storage temperature	℃	-40~+85		
Dimensions		22.3x12x7		

Table 1 : Attenuator performance characteristics.

Other Related Products

- Modular 1 RU high density panel P/N **125/0101, S/I 40011237**
- Modular 48 port LC cassettes
- Blanking panel P/N **125/0159**
- Rear fibre management extension tray including support tie off bracket
- RFID labeled and encoded LC and MTP elite patchcords (see Diamond Optics PatchPal™ Management datasheet)

1 RU 3 slot panel with associated cassettes