

VOA135 • Mechanical Manual Variable Attenuator

Technical index

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1.0 Product description

VOA135 Mechanical Manual Variable Attenuator is a fiber-pigtailed component that sets attenuation levels in the range of 35dB. By turning an adjustment screw, attenuator can be precisely set. The compact housing is designed for mounting on a printed circuit board or within an enclosure. An optional resistance readout for filter location purposed is available.

2.0 Product feature

- Continuous trimpot adjustment to 35dB
- Typical resolution of 0.02dB
- Rugged and field proven
- Thermal stability
- Easy to install and adjust

3.0 Main application

- Receiver input power adjustable
- EDFA output power adjustable
- Optical power equalization
- System testing
- Laboratory application

4.0 Technical index

Performance		Index			Supplement
		Min	Typ	Max	
Operating wavelength range	(nm)	1260		1600	
Dynamic range	(dB)		35		
Insert loss	(dB)		0.7		
Resolution	(dB)		0.02	0.1	
Polarization dependence loss	(dB)			0.3	0 to 15dB
				0.8	15 to 30dB
Wavelength dependence loss	(dB)		0.2	0.8	0 to 20dB
Polarization mode dispersion	(ps)			0.05	0 to 20dB
Power handling	(mw)			500	
Optical return loss	(dB)	45			
Optical connector		SC/APC			Option FC, LC
Fiber length	m		1		
Fiber type		Single-mode 900 μ m			
Operating temp.	(°C)	-5		75	
Storage temp.	(°C)	-40		+85	

5.0 Model explanation

VOA 1 35 – S A

Product series	Product type		Range of attenuation		Connector	
Manual Variable Attenuator	1	Mechanical type	35	35dB	SA	SC/APC
	2	Electric mode			SP	SC/UPC
					FA	FC/APC
					FP	FC/UPC
					LA	LC/APC
					LP	LC/UPC