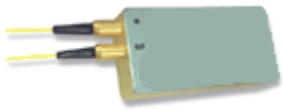
Electrically Variable Optical Attenuator with Latching



EVOA is designed to use for optimizing the optical power of signal at key points in optical communications networks.It is a new miniature variable attenuator for application in either the C or L band.The attenuator offers and improved thermal stability.The attenuator has the features of compact size,excellent stability and reliability. EVOAs are Telcordia 1209 qualification tested.

Features

- Low insertion loss
- Compact size
- Low PDL & WDL
- Linear Attenuation

Applications

- Power equalization in multi-channel optically amplified network
- Gain-tilt control in optical amplifiers
- Transmitter power control
- Receiver power control
- OADM power balance

Specifications

Parameter	Unit	Value
Optimized wavelength range	nm	1525 to 1565 (L-band version available)
Attenuation range	dB	0~20 or 30
Attenuation resolution	dB	≤0.1
Insertion Loss	dB	≤0.6
Return Loss	dB	≥ 50
Polarization Dependent Loss	dB	≤0.1
Wavelength Dependent Loss	dB	≤0.3
Repeatability of Attenuation Setting	dB	≤ 0.1
Operating Temperature	℃	-5~65
Electrical Power Consumption	W	≤ 2 (With Latching)
Position Sensor	KΩ	10 ~12
Size	mm	50×25×12 (Single channel)

Pin	1	2	3	4	5	6
DEF	Motor A-	Motor B+	Motor B-	Motor A+	Pot Wiper	Pot+
Pin	7	8	9	10	11	12
DEF	Pot-	Case Ground	NC	NC	NC	NC

Ordering Information