

Mirror ES Variable Optical Attenuator (Bright Type)

Description

Broadex Technologies offers an electrostatically actuated VOA with a mirror type mechanism that is extremely compact and easy to integrate into any optical network. This thermally actuated VOA is available in both bright and dark configurations and features very low insertion loss and polarization dependent loss along with high dynamic range and high off-state extinction. The hermetically sealed packaging is highly insensitive to shock and vibration and is ESD safe up to 500V.

Broadex Technologies Mirror ES VOA is ideal for receiver protection or transponder power control, and it is also widely used in EDFAs for power equalization of all channels in multi-channel systems.

Features

- Compact size
- · Ultra-fast tuning speed
- Extremely low power consumption
- Low insertion loss
- Hermetically sealed MEMS chip
- Compliance with Telcordia GR-468-CORE

Applications

- Optical network power management
- Gain-tilt control in EDFA
- Receiver protection
- · Channel on/off switching
- Mux and Demux module, OADM node

Specifications



Optical Specifications

		Min	Typical	Max	Unit
Attenuator type		ES Dark VOA			
Wavelength Range, C-band L-band option		C-band: 1530~1570			nm
			L-band: 1570~1	610	
Attenuation Range		30			dB
Attenuation Slope				25	dB
Insertion loss				0.8	dB
Polarization Dependent Loss	0dB~10dB			0.25	dB
	10dB~20dB			0.3	dB
Wavelength Dependent Loss	0dB~10dB			0.4	dB
	10dB~20dB			1.0	dB
Optical Return Loss		45			dB
Response Time				5	ms
Polarization Mode Dispersion				0.05	Ps
Total Optical Power				500	mW

Electrical Specifications

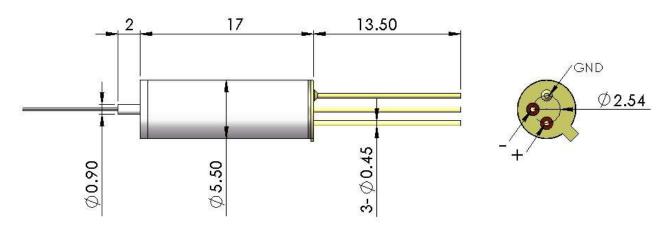
Parameters	Min	Typical	Max	Units
Control Voltage	0		6.5	v
Voltage damage threshold			7	V
Resistance	1			MOhm
Power Supply			10	mW
ESD Damage	500			٧

Mechanical Specification

Parameters	description		
Package Dimension	Ф5.5x17 mm		
Fiber Ture	ITU-T G.652.D Compliant, the input port		
Fiber Type	fiber marked red		



Mechanical Drawing



Packaging



Contact Us

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