

FVOA5200

Variable Optical Attenuator with Polarization Maintaining Fiber

Features

- Smallest VOA
- Low loss, high extinction ratio
- Hermetically sealed MEMS chip
- Additional ESD Protection Board
- Insensitive to shock and vibration
- Low power consumption
- Bright or dark configurations
- No epoxy in optical path



Applications

- Power control and equalization in multi channel systems
- Receiver/Modulator protection
- Channel on/off switching
- Polarization maintaining designs

General

With low insertion loss and a high attenuation range, the FVOA5200 is ideal for power control and protection applications that require polarization-maintaining fiber. With a compact, hermetic package, it far exceeds reliability requirements of telecommunications applications. Custom configurations are also available.

Performance Specifications

PARAMETER	SPECIFICATION
Wavelength Range	C-Band / L-Band
Attenuation Range	20 dB / 40dB
Attenuation Resolution	Continuous
Insertion Loss ¹	0.8 dB (0.4 dB typical)
Extinction Ratio	18 dB (23 dB typical)
Wavelength dependent ripple ²	0.1 dB (0.04 dB typical)
Return Loss	45 dB
Response speed	20 ms Bright version
Drive voltage ³	5 V/ 6.5 V Bright version
Drive power	0.5 mW
Fiber type	Panda 250 μm, 400 μm or smaller
Maximum optical power	500 mW
Operating temperature	-5° to 70° C
Package size	5.4 mm x 18 mm
Reliability	Telcordia GR-1209, GR-1221
1. Valid over temperature and wavelength range, excludes connectors 2. For attenuations up to 10dB over temperature and wavelength range 3. Maximum DC voltage for full attenuation range	