

DVOA

DIGITAL VOA

SERIES 2000

HIGH PERFORMANCE FOR THE MOST DEMANDING NETWORK REQUIREMENTS

DIGITALLY CONTROLLED VARIABLE OPTICAL ATTENUATOR

PARAMETER	SPECIFICATION
Optimized wavelength range	C-band L-band
Attenuation range	> 30 dB
Attenuator resolution ¹	0.05
Response speed ²	100 μ s
Insertion loss ^{2,3}	0.7 dB
Wavelength dependence of attenuation ⁴	0.25 dB
Polarization dependent loss ⁴	0.20 dB
Polarization mode dispersion	0.05 ps
Return loss	> 45 dB
Interface bus	I ² C
Voltage required	5 V
Power required	100 mW
Fiber type	SMF-28
Maximum optical power	500 mW
Operating temperature	-5° to 70°C
Storage temperature	-40° to 85°C
Package size (L x W x H)	36 x 12.5 x 10 mm

1. 0 to 20 dB

2. Typical

3. Excluding connectors

4. For attenuation up to 15 dB over the wavelength range

KEY FEATURES

- Open loop control
- Digital interface
- Calibrated linear response
- High speed
- Low loss, low WDL, low PDL
- Highly manufacturable

APPLICATIONS

- Power control and equalization in multichannel systems
- Fast switching
- OADM
- Gain tilt for amplifiers

*Dynamic MEMS Components
and Modules for Optical Networks*



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