

SFP VOA

SFP VOA integrates a single channel VOA and tap monitor into standard pluggable SFP transceiver MSA package. The VOA can be controlled via I²C digital interface (digital control). Using its internal control circuitries, the device automatically adjusts the voltage to maintain stable attenuation. The device also has internal memory for storing calibration data.



Applications

Optical Network Power Management
Channel Equalization

Features

SFP Form Factor
Support Firmware Update
Hot Pluggable
I²C Communication interface

Specifications

Parameter	Unit	Value	
		Min.	Max.
Operating Optical Input Power	dBm	-20	+20
Insertion Loss	dB		1.5
		without tap monitor with 5% tap monitor	2.0
Wavelength range	nm	1525	1570
Attenuation Dynamic Range	dB	25	
Attenuation Step Resolution	dB	0.1	
Attenuation Accuracy, 0-25dB	dB	-0.8	0.8
Temperature dependent attenuation at 25dB	dB		1.0
Polarization Dependence Loss	dB	0 dB ≤ Att. ≤ 10dB	0.3
		10 dB < Att. ≤ 25dB	0.5
Chromatic Dispersion	ps/nm	-0.05	0.05
Polarization Mode Dispersion	ps		0.25
Return Loss	dB	40	
Block Attenuation Loss	dB	35	

Ordering Information

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Type	Wavelength Range	Attenuation Range	PD
B: Bright D: Dark	C: C-band	15: 15dB 20: 20dB	0: Without PD 1: With PD