

VOA MODULE WITH TAP MONITOR IN SFP FORM FACTOR

VOAM Series

Product Description

Oplink's Variable Optical Attenuator Module (VOAM) integrates a single channel VOA and tap monitor into MSA compliant compact SFP form factor and provides I²C communication interface for easy system integration. Key features include compact size, high levels of functional integration and simple network application. The SFP VOAM is designed for key network optical power management.

Oplink can provide customized designs to meet specialized feature applications. Also, Oplink offers modular assemblies that integrate other components to form a full function module or subsystem.



Performance Specification

Parameter	Specification	Unit
Operating Wavelength Range	C- or L-band	
Insertion Loss ^[1]	≤ 2.5 (with tap monitor, typical 2.0) ≤ 1.5 (without tap monitor)	dB
Polarization Dependent Loss (0dB attenuation)	≤ 0.3	dB
Return Loss	≥ 40	dB
VOA Dark/Bright Type	Bright or Dark	
VOA Attenuation Dynamic Range	≥ 20	dB
Dark Type Blocking State IL	≥ 38	dB
Optical Power Handling	≤ 200	mW
Fiber Type for Input and Output Connection	SMF-28	
Operating Temperature Range	- 5 to +65	°C
Dimensions	SFP (MSA)	
Communication I/F	I ² C	

Features

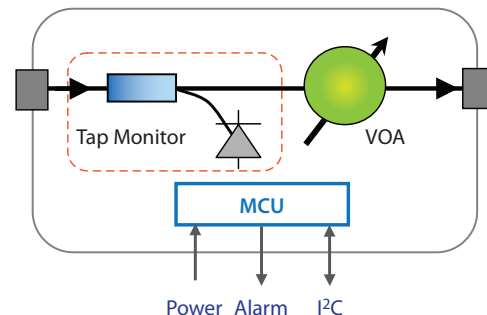
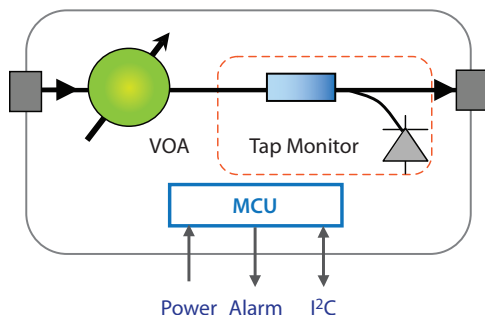
- ◆ SFP Form Factor
- ◆ Hot Pluggable
- ◆ Optical Power Monitoring
- ◆ Output Power Adjusting
- ◆ I²C Communication Interface
- ◆ Low Power Consumption

Applications

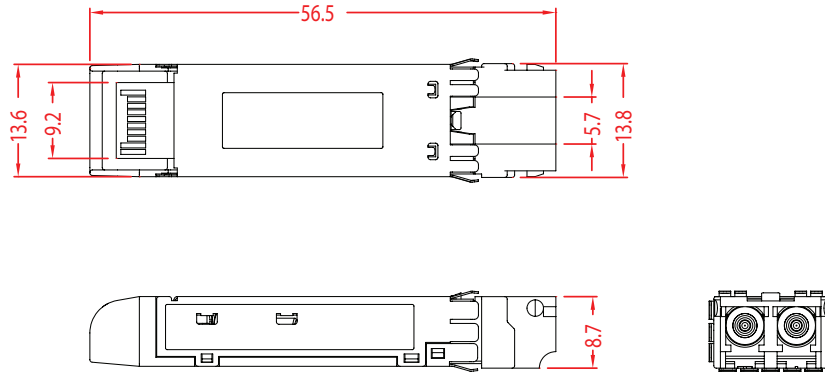
- ◆ Optical Network Power Management

Notes: [1] Include both input and output port connector insertion losses, within operating temperate and wavelength ranges.

Function Diagram



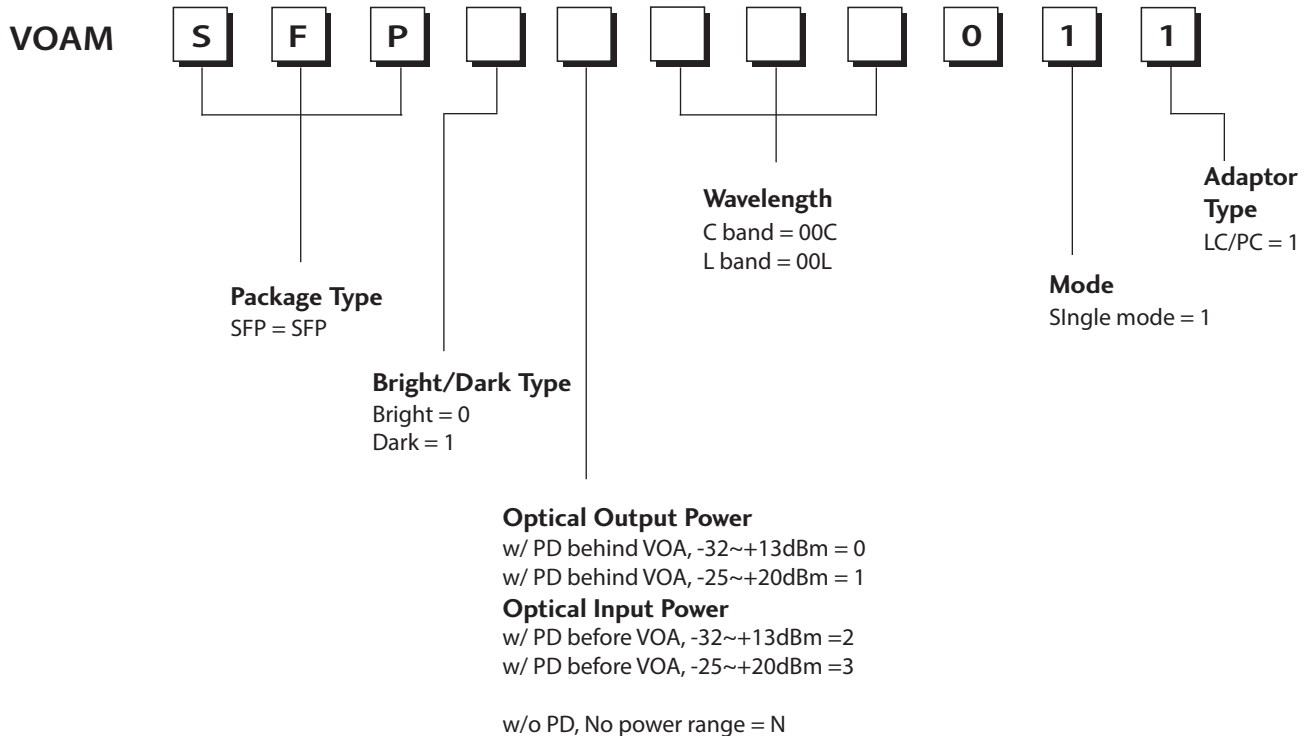
Mechanical Drawing / Package Dimensions (dimension in mm)



Note : The mechanical interfaces for the SFP-VOA module are fully meeting the MSA criterion.

Ordering Information

Oplink can provide a remarkable range of customized optical solutions. For detail, please contact Oplink's OEM design team or account manager for your requirements and ordering information (510) 933-7200.



RoHS:

1) VOAM is RoHS 5 compliant (RoHS permitted Lead in solder exemption is applied).

S0176 - R03. (web) 20121016

Product Lines: ♦ Mux/Demux ♦ Switching/Routing ♦ Coupling/Splitting ♦ Monitoring/Conditioning ♦ Amplification ♦ Transmission ♦ Interconnect ♦ RGB Laser Modules