

VARIABLE OPTICAL ATTENUATORS

VOA Smart Attenuator

Self-contained attenuator module with up to 30 dB of electrically controlled range, powered from 12 V.



Key Features

- Attenuation range up to 30 dB
- Integrated drive electronics — no external actuator driver
- Insertion loss 1.2 dB to 1.8 dB
- Operates from a 12 V supply

Applications

- Automated channel power leveling
- Remote attenuation control in deployed equipment
- Test system power sweeps
- Receiver protection with programmable setpoints

Overview

A packaged attenuator with its own drive electronics, so a host system sets a level rather than driving a raw actuator. Range extends to 30 dB with insertion loss between 1.2 dB and 1.8 dB.

The module runs from a 12 V, 3 A supply, which matches the rails already present in most line equipment.

Specifications

Optical Performance

PARAMETER	VALUE	UNIT
Attenuation Range	≤ 30	dB
Insertion Loss	1.2 – 1.8	dB

Electrical

PARAMETER	VALUE
Power Supply	12 V / 3 A

Order or request a quote

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Datasheet issued 2026-09-06

Rev. controlled document

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