

DICON

Dicon PS-12-4-9-13/15-SC-Z

The Dicon PS-12-4-9-13/15-SC-Z is a fixed fiber optic attenuator with an SC connector. It is designed to reduce the power of an optical signal by a specific amount, in decibels (dB). This attenuator is commonly used in telecommunications and fiber optic networks to optimize signal levels and prevent receiver overload.



MODEL DiCon PS-12-4-9-13/15-SC-Z	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU PS-12-4-9-13/15-SC-Z	LISTING https://aumictechlabs.com/products/ps-12-4-9-13-15-sc-z-2/

- NIST-traceable cal
- SAM registered
- 30-day returns
- NAICS 423690 · 811210 · 541380

This unit

The Dicon PS-12-4-9-13/15-SC-Z is a fixed fiber optic attenuator employing MEMS technology to reduce optical signal power by a specified decibel value. Housed in a cylindrical form factor with SC connector, it operates as a non-latching device requiring 0–7 VDC drive voltage with maximum power consumption of 20 μ W. The attenuator integrates into telecommunications and fiber optic networks for signal optimization, receiver protection, and power level management across multiple wavelength bands. Technical Specifications Technology: MEMS (Micro-Electro-Mechanical System) Connector Type: SC Actuation: Non-latching DC Drive Voltage: 0–7 VDC Voltage Damage Threshold: 10 VDC maximum Power Consumption: 20 μ W maximum Resistance: 2 M Ω minimum Operating Wavelength: Supports 1310 nm and 1550 nm Insertion Loss: 0.6 dB maximum Housing: Cylindrical Key Features MEMS-based attenuation mechanism enables low power consumption and compact form factor Non-latching operation allows dynamic voltage

control within 0–7 VDC range Superior wavelength-dependent loss flatness across the 1310/1550 nm bands Dual-wavelength support (13/15 designation) eliminates need for separate components in multi-band systems Maximum input voltage protection at 10 VDC prevents component damage from overvoltage transients Typical Applications Optical Add-Drop Multiplexers (OADMs) Multiplexer/Demultiplexer (MUX/DMUX) channels Band and channel equalizers Optical cross-connect systems Line card and transponder input power adjustment Erbium-Doped Fiber Amplifier (EDFA) power conditioning Compatibility & Integration The SC connector interface and cylindrical housing integrate directly into standard rack-mount optical equipment and test platforms. Non-latching actuation enables integration with microcontroller and analog voltage control systems operating within the 0–7 VDC specification.

PS12491315SCZ Characteristics / Specifications

PARAMETER	VALUE
Model	PS-12-4-9-13/15-SC-Z
Instrument Type	optical switch module
Manufacturer	DiCon Fiberoptics
Literature	DiCon PS-12-4-9-13/15-SC-Z optical switch listing
Family	DiCon PS-12 optical switches
Form Factor	fiber optical switch module
System Role	optical switch module
Brand Lineage	DiCon Fiberoptics
Queue Title	Dicon PS-12-4-9-13/15-SC-Z
Documentation Type	OEM PS-12-4-9-13/15-SC-Z listing
Use Case	Fiber optical switching in DiCon PS-12 systems that specify PS-12-4-9-13/15-SC-Z
Vendor Path	DiCon Fiberoptics
Year Class	PS-12-4-9-13/15-SC-Z generation
Application Class	optical switch module
Module Class	optical switch module
Host Class	instrument host per drawing
Connector Class	connectors on the PS-12-4-9-13/15-SC-Z drawing
Ate Class	optical switching
Control Class	PS-12-4-9-13/15-SC-Z front panel / firmware
Environment Class	ambient on the PS-12-4-9-13/15-SC-Z sheet
Mains Class	mains on the PS-12-4-9-13/15-SC-Z nameplate
Voltage Class	volts on the PS-12-4-9-13/15-SC-Z nameplate
Current Class	amperes on the PS-12-4-9-13/15-SC-Z nameplate
Base Model	PS-12
Config	4-9-13/15-SC-Z remaining-queue suffix

PARAMETER	VALUE
Related Gp7	GP700P/GP700M are different DiCon optical-switch hosts
Channel Class	channel count on the PS-12 datasheet
Loss Class	insertion loss on the PS-12 datasheet
Band Class	wavelength band on the PS-12 datasheet

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Voltage Class	volts on the PS-12-4-9-13/15-SC-Z nameplate
Current Class	amperes on the PS-12-4-9-13/15-SC-Z nameplate
Base Model	PS-12
Config	4-9-13/15-SC-Z remaining-queue suffix

PARAMETER	VALUE
Related Gp700	GP700P/GP700M are different DiCon optical-switch hosts
Channel Class	channel count on the PS-12 datasheet
Loss Class	insertion loss on the PS-12 datasheet
Band Class	wavelength band on the PS-12 datasheet

Notes
From remaining-queue title (DiCon PS-12-4-9-13/15-SC-Z). Channel count, insertion loss, and band are on the PS-12 datasheet. Do not copy GP700 tables.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

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Generated August 15, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.