

In-Line Fiber Optic Protection Switches

All-fiber, low loss, high isolation switch / shutter for optical circuit protection.



FEATURES:

- All-fiber configuration
- No moving parts
- High on-off ratio
- Low insertion loss
- Wide operating bandwidth
- Low back reflection
- Small size
- Rugged packaging

APPLICATIONS:

- Optical transmission systems
- Low speed multiplexing
- Optical fiber sensors
- Test & measurement
- Receiver protection
- C, L, S band

The **ProtoDel** in-line shutter is a dual attenuation level device, designed to provide a high isolation 'off' condition with low insertion loss 'on' condition. The two level thermally controlled device simply requires a current to switch on (transparent). There are no moving parts or TEC 's used in this component.

The all-fiber design provides long term reliability combined with intrinsically low insertion loss and high return loss. Built entirely from the fiber, performance matches the fiber specification - allowing operation in C, L and S band windows. Incorporation of the switches into a power splitting network allows controlled routing of signals for multiplexing.

Designed to be Telcordia compliant, **ProtoDel's** reliable, simple shutter type protection switch is a low cost, high quality device which can be simply integrated into your system.



SPECIFICATIONS:

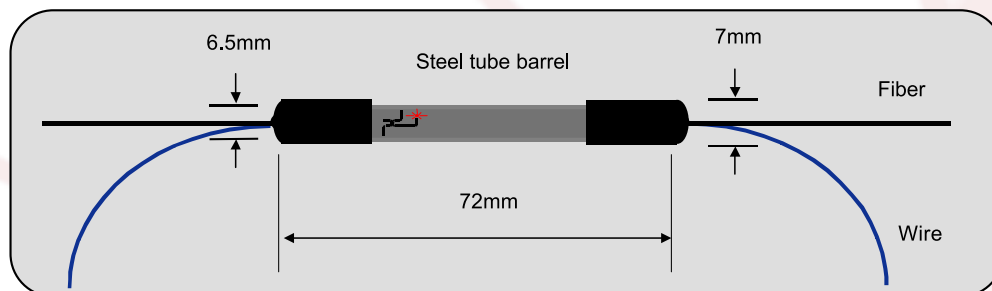
Wavelength	nm	1300, C, L, S band
On-off ratio	dB	>40
Insertion loss	dB	<0.3 including PDL
PDL	dB	<0.1 (typical)
Operating temperature	°C	-5 to 70
Current	mA	200 (max)
Supply voltage	V	4

All quoted losses are without connectors

PACKAGING:

Packaging	Stainless steel tube
Diameter	6.5mm
Length	72mm
Pigtail	~1m fiber with 900µm loose tube
Connectors	Optional

All dimensions are approximate and may vary slightly.



ORDERING INFORMATION:

P	S	W	-		-	

Wavelength:
 15 - 1550nm
 14 - 1480nm
 13 - 1300nm

Connectors:
 0 - none
 1 - FC/SPC
 2 - FC/APC

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