

GP750 PROGRAMMABLE INSTRUMENT

TUNABLE FILTER PLUG-IN MODULE

DiCon's Tunable Filter Plug-In Module de-multiplexes signals with either a 50GHz or 100GHz channel spacing. Each Plug-In Module is designed for easy integration into DiCon's GP750 modular system. All plug-in modules require no configuration and are hot swappable, providing true plug-and-play functionality.



FEATURES

- 50 or 100GHz Channel Spacing
- Fast Tuning Speed
- Thermally Stable
- $\pm 50\text{pm}$ λ Setting Accuracy within C or L Band

APPLICATIONS

- Optical Channel Performance Monitoring
- ROADM
- Noise Suppression
- Signal Tracking



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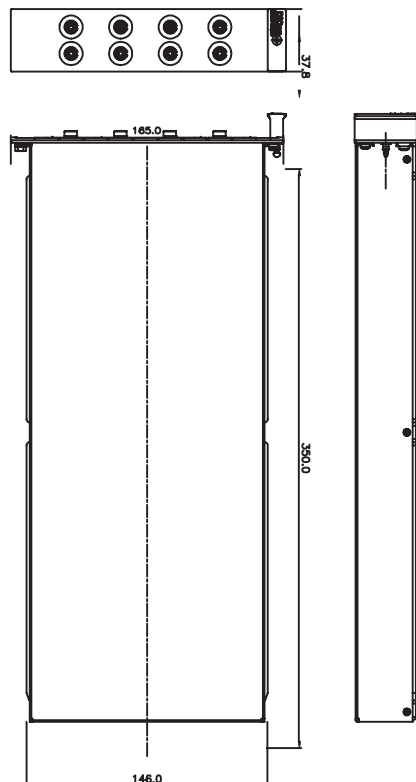
TUNABLE FILTER PLUG-IN

OPTICAL SPECIFICATIONS

PARAMETER		RATING	
		100GHz	50 GHz
Tuning Range	C-Band	1529-1564 nm	
	L-Band	1575-1610 nm	
Min IL @ Peak		≤ 4.0 dB	≤ 5.0 dB
Bandwidth @ 1 dB		> 0.20 nm	> 0.10 nm
Bandwidth @ 20 dB		< 1.40 nm	< 0.86 nm
Back Reflection		-40 dB max.	
PDL		0.3 dB max.	
λ Setting Error		± 50 pm max.	
Tuning Resolution		10 pm	
Tuning Speed		30 ms max.	
Optical Power		500 mW max.	
Durability		10 ⁹ cycles min.	
Fiber Type		9/125 μm single mode	

MECHANICAL DIMENSIONS

(Units: mm)



ORDERING INFORMATION

GP750 - 1S - □ / □ - □ - 9 - □

Product Code

GP750 Filter Module

Slot Width

1S 1-Slot Module
Custom multi-slot modules available

Number of Filters

X Specify X Filters
Maximum 4 total filters with FC connectors

Filter Configuration

100 100GHz Tunable Filter
50 50GHz Tunable Filter

Wavelength Range

15 1529 - 1564 nm
16 1575 - 1610 nm

Fiber and Jacket Type

9 Corning SMF-28 9μm fiber
Or other equivalent 9μm Singlemode fiber

Connector Type

FC/SPC FC/SPC
FC/APC FC/APC
N NONE
Also Available: SC, SC/UPC, SC/APC, ST, ST/UPC, LC