



F616 C-Band DWDM Multi-Channel RA (Raman Amplifier) **Backward 10dB Gain, 500mW Total Output Power, 1U Rack**

Part Number: F616-1U-DRA-BW10



Overview

The F616 Distributed Raman Amplifier 1U series is part of the F616 optical multi-service transmission platform solution. It's Counter-Pump modules provide 4~10dB flat Gain for Backward pumping amplification for high speed, large capacity and long-haul transmission system.

Applications

- Ultra Long-Haul transmission system.
- Submarine optical transmission system.

Features

- Fixed 1U Rack package
- Excellent Gain Flatness
- ON-OFF Gain 4~10dB
- Multi-Channel amplification
- Low Noise Figure 0dB
- ACC or APC operating mode
- Support SNMP, Web, Console management
- Two -48VDC or 220VAC Redundant Power Input



Specification

Parameters	Min	Typ	Max	Unit	Note
Operating Wavelength	1528		1564	nm	
Working Channel Type	Multi-Channel				
ON-OFF Gain		10		dB	1, 2
Gain Flatness			3	dB	
Input Power Range	-38	-20		dBm	
Out Power Range	-28	-10		dBm	
Total Output Power		500		mW	
Noise Figure			0	dB	1, 2
Polarization dependent Gain			0.5	dB	
Polarization mode Dispersion			0.5	ps	
Return Loss			-45	dB	
Output Channel Isolation	40			dB	
Power Consumption	≤15			W	
Size	1U Rack	435(W) x 295(D) x 43(H)		mm	
Operating Temperature	-10~60			°C	
Storage Temperature	-40~85			°C	
Relative Humidity	0~90			RH%	

Note1: Measured at Input Power=-20dBm, @1550nm.

Note2: Measured with 50km of G.652 fiber, counter-propagating configuration.



Ordering Information

F616-1U-DRA-BW10--

Connector Type



L: LC type *default option

S: SC type



P: PC type

A: APC type

Power Input

AA- Two 220VAC

DD- Two -48VDC