

Dual Mini EDFA Module

The dual Channel EDFA is a super compact gain module with two independent inputs and outputs. These EDFAs share a dual uncooled 980nm pump laser. Each EDFA has independent control loop. The laser control loop and are working under APC mode. Each EDFA's output can be adjusted from 0 to 6dBm in 0.5dB step via I2C interface.

Features

- 1528nm to 1569nm, dual single channel
- Each channel output power up to 6dBm
- Two EDFAs inside one compact box
- Provide APC/ACC operation mode
- Temperature range -5 °C To 60°C
- Form factor 55x40x12.5mm



Applications

- Ultra small package with dual EDFA inside

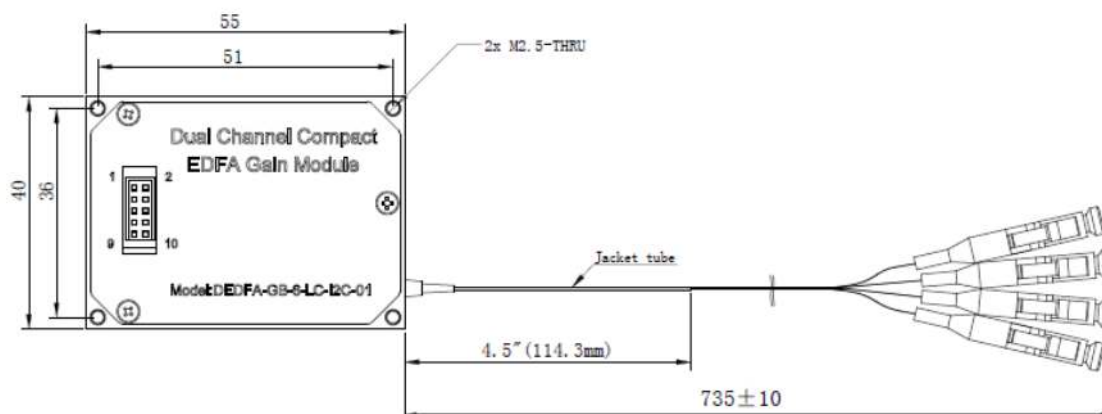
Environmental Specifications

Parameter	Min.	Typ.	Max.	Unit
Operation Temperature	0	25	+75	°C
Storage Temperature	-40	-----	+85	°C
Operation Humidity*	5	-----	95	%
Storage Humidity	5	-----	95	%

(*) not condensing

Operating Specifications

Parameter	Min.	Typ.	Max.	Unit
Supply Voltage	3.15	3.3	3.45	V
Power Dissipation		5		W



Optical Specifications

Parameter	Min.	Typ.	Max.	Unit
Wavelength	1528		1568.3	nm
Input Power	-16		-8	dBm
Output Power	0		8	dBm
Output Power Variation	-0.5		0.5	dB
Noise Figure			6	dB
Backward ASE power			-35	dB
Isolation @ Input/Output Port	35			dB
Return Loss	40			dB
PMD			0.3	ps
PDG			0.3	dB



Ordering information

Jabil Part Number	Package	Gain	Output Power	Other info
JP-EDFA-DUALMINI-2408	module	24 dB	8dBm	

Contact information

For additional information and evaluation samples order, please contact:

Chuck Sinha, Sr. Director of Sales

Jabil Photonics

5960 Inglewood Dr. Suite 100, Pleasanton, CA

Mobile: 408-505-0955

Email: Chuck_Sinha@Jabil.com