

DATA SHEET

DUAL MINI EDFA MODULE

DESCRIPTION

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.



KEY FEATURES

Low noise figure: typical figure is under 4.5dB

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

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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

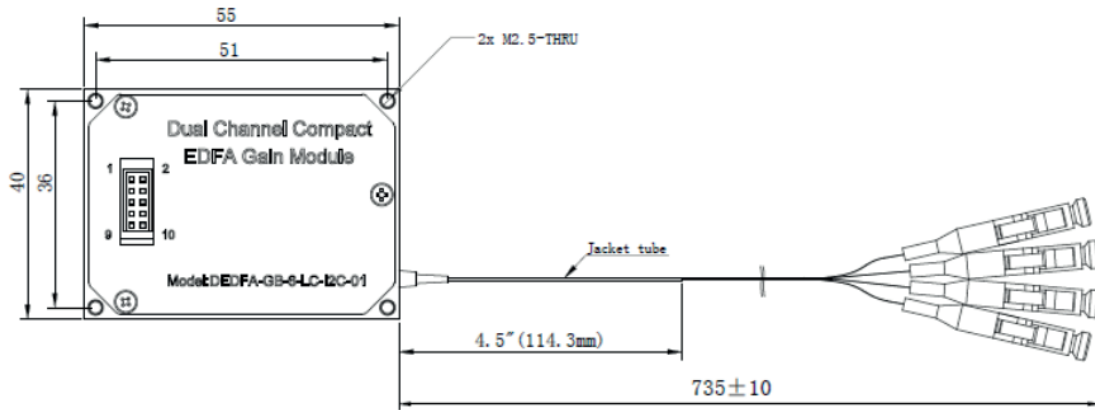
OPTICAL SPECIFICATIONS

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

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DIMENSIONS



ORDERING INFORMATION

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

For additional information, visit jabil.com/photonics