

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

- 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



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

For additional information, visit jabil.com/photonics

Dimensions



Ordering Information

JABIL PART NUMBER	PACKAGE	GAIN	OUTPUT POWER
JP-EDFA-DUALMINI-2408	module	24dB	8dBm