DATA SHEET

XFP AGC EDFA

DESCRIPTION

The Jabil Photonics XFP form factor EDFA is a pluggable EDFA product designed for single channel or full C-band 40/80/96 channels DWDM amplification in Telecom, Datacom or CATV applications. It is designed to be compatible with XFP MSA (INF-8077i) on mechanical and electrical interface, which allow it be plug-and-play in XFP cage.

The XFP EDFA supports the working mode of AGC and can monitor the input and output optical power in real time. Supports real-time input/output LOS alarm, pump protection and online firmware upgrade.

KEY FEATURES

XFP form factor, super compact form factor

1530-1568nm, DWDM Application

Output power up to 17dBm

Highly integrated passive component and ultra small form factor pump

APC and ACC operation mode

Operating temperature -5°C to 60°C

APPLICATIONS

DWDM application with GFF

CATV

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ENVIRONMENTAL SPECIFICATIONS

Parameter	Min.	Typ.	Max.	Unit
Operation Temperature	-5	25	+70	°C
Storage Temperature	-40	------	+85	°C
Operation Humidity*	5	------	85	%
Storage Humidity	5	------	85	%

(*) not condensing

OPERATING SPECIFICATIONS

Parameter	Min.	Typ.	Max.	Unit
Supply Voltage	3.13	+3.3	+3.46	V
Power Dissipation		2	2.5	W

OPTICAL SPECIFICATIONS

Parameter	Min.	Typ.	Max.	Unit
Wavelength	1528.77		1566.72	nm
Channel Number	1		16	
Input Power	-13		2	dBm
Output Power			17	dBm
Output Power Variation	-0.5		0.5	dB
Gain		15		dB
Gain Flatness (peak to peak)			4	dB
Gain Accuracy	-0.5		0.5	dB
Noise Figure			6.5	dB
Transient performance (*)			3	dB
Return Loss	40			dB
LOSA	-25			dBm
LOSD			-16	dBm
Hysteresis	0.5		3	dB

(*) 3dB add/drop of input

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DIMENSIONS
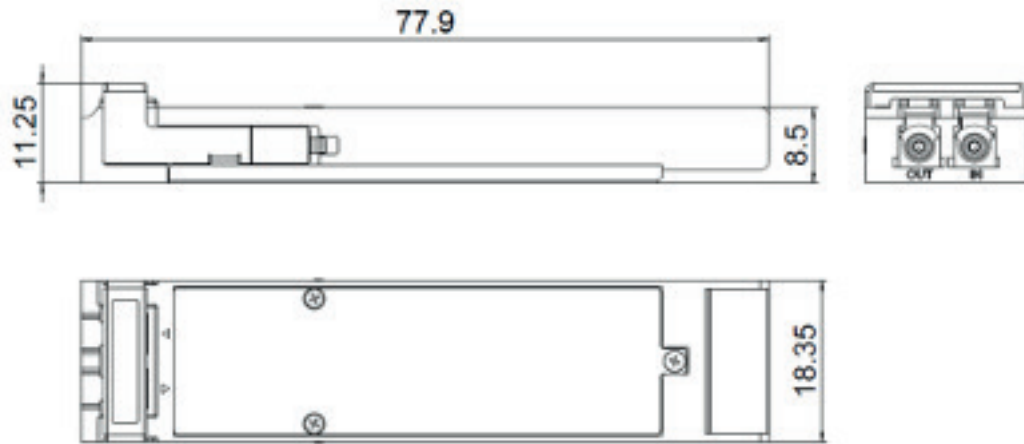
ORDERING INFORMATION

Jabil Part Number	Package	Gain	Output Power	Other info
JP-EDFA-XFP-1517	XFP	15 dB	17dBm	

JABIL