

XFP AGC EDFA

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 to 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.

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

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

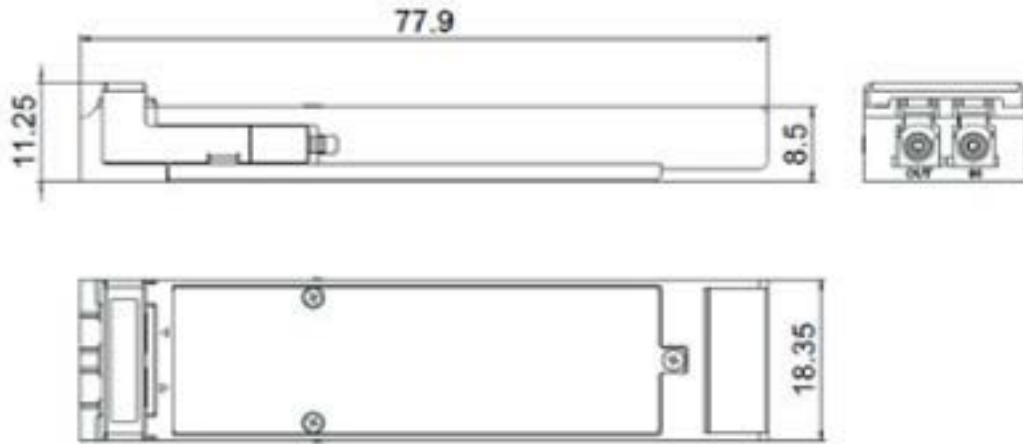
PARAMETER	MIN	TYP	MAX	UNIT
Supply Voltage	3.13	+3.3	+3.46	V
Power Dissipation		2	2.5	W

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

Dimensions



Ordering Information

JABIL PART NUMBER	PACKAGE	GAIN	OUTPUT POWER
JP-EDFA-XFP-1517	XFP	15dB	17dBm