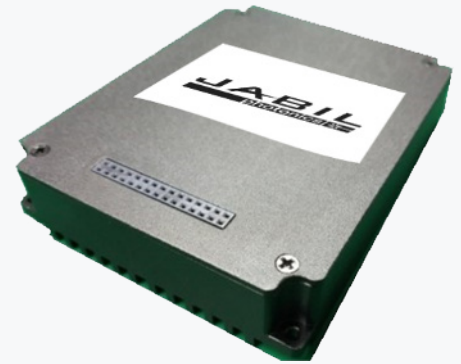


DATA SHEET

25DBM DWDM EDFA MODULE

DESCRIPTION

Jabil Photonics DWDM EDFA module is designed for the DWDM system which has excellent optical performance with special optical design. It supports APC (Automatic Power Control), AGC (Auto Gain Control). The high stability and high precision MPU system to ensure the control, adjustment and monitor are intelligent and easy. Professional designed GFF (Gain Flattening Filter) and excellent optical design, ensure the best flatness and noise figure.



KEY FEATURES

Low noise figure: less than 5.5 dB at 0dBm input

Flatness: Typical 1dB, max 1.5dB

Full C-Band coverage: 40-96 channels

High stability and reliability: MTBF>100000 hours

Perfect status monitoring interface: RS-485 and RS-232

High precision AGC/APC circuit: power control accuracy type ± 0.1 dB

Low power consumption

Compatible with Telcordia GR-1312-CORE

APPLICATIONS

DWDM/CATV/SDH

Data center

DATA SHEET

25DBM DWDM EDFA MODULE

ENVIRONMENTAL SPECIFICATIONS

Parameter	Min.	Typ.	Max.	Unit
Operation Temperature	0	25	+55	°C
Storage Temperature	-40	-----	+85	°C
Operation Humidity*	10	-----	85	%
Storage Humidity	5	-----	95	%

(*) not condensing

OPERATING SPECIFICATIONS

Parameter	Min.	Typ.	Max.	Unit
Supply Voltage		5		V
Power Dissipation		18		W

OPTICAL SPECIFICATIONS

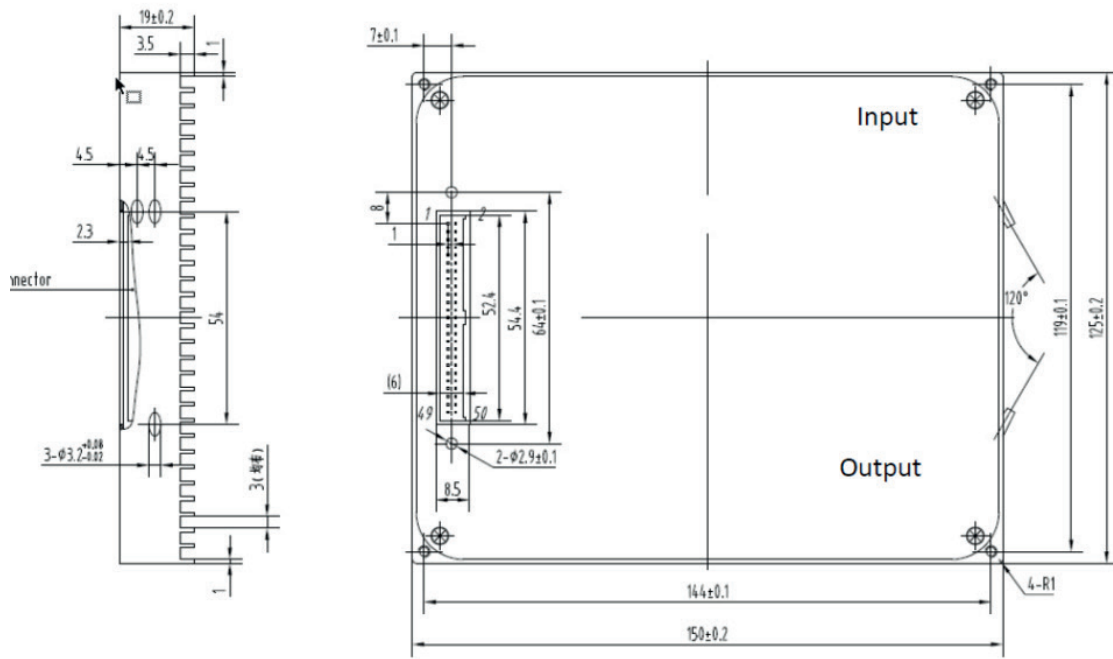
Parameter	Min.	Typ.	Max.	Unit
Wavelength	1529		1561	nm
Input Power	-20		0	dBm
Output Power			25	dBm
Output Power Variation	-0.5		0.5	dB
Gain		25		dB
Gain Flatness (peak to peak)		1.0	1.5	dB
Noise Figure			5.5	dB
Pump Leak @ Input/Output Port			-30	dBm
Isolation @ Input/Output Port	30			dB
PMD			0.5	ps
PDG			0.5	dB
Return Loss	40			dB
Input Pigtail (LC/UPC) (*)	-1	100	1	cm
Output Pigtail (LC/UPC) (*)	-1	100	1	cm

(*) Length defined from module box edge to LC/UPC end-face.

DATA SHEET

25DBM DWDM EDFA MODULE

DIMENSIONS



ORDERING INFORMATION

Jabil Part Number	Package	Gain	Output Power	Other info
JP-EDFA-HGAIN-2525	CFP2	25 dB	25dBm	

For additional information, visit jabil.com/photonics