



EDFA-MP-MSA

SPECIFICATIONS

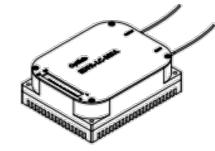
GENERAL	Operating Range	1528 nm – 1563 nm
	Saturation Output Power	+20 dBm typical
	Optical Gain	30 dB min. @ -20 dBm input 19 dB min. @ 0 dBm input
	Noise Figure	6.5 dB max.
	Optical Return Loss	50 dB min.
	Input Optical Isolation	30 dB min.
	Output Optical Isolation	30 dB min.
	Polarization Mode Dispersion	0.1 ps max.
	Polarization Dependent Gain	0.1 dB max.
	Input Power Range	-20 dBm to +10 dBm
	Output Power Stability	0.15 dB over 8 hours
		400
	Operation Mode	ACC
	Operation Mode Input/Output Fiber Type	ALL Corning SMF-28
MECHANICAL	Input/Output Fiber Type	
MECHANICAL		Corning SMF-28
MECHANICAL	Input/Output Fiber Type Operating Temperature	Corning SMF-28 -10°C to +50°C
MECHANICAL	Input/Output Fiber Type Operating Temperature Power Supply	Corning SMF-28 -10°C to +50°C +5 V DC, 4.0 A max.
MECHANICAL	Input/Output Fiber Type Operating Temperature Power Supply Power Consumption	Corning SMF-28 -10°C to +50°C +5 V DC, 4.0 A max. 20 W max.
MECHANICAL	Input/Output Fiber Type Operating Temperature Power Supply Power Consumption Fiber Type	Corning SMF-28 -10°C to +50°C +5 V DC, 4.0 A max. 20 W max. SMF-28
MECHANICAL	Input/Output Fiber Type Operating Temperature Power Supply Power Consumption Fiber Type Fiber Jacket	Corning SMF-28 -10°C to +50°C +5 V DC, 4.0 A max. 20 W max. SMF-28 900 um loose tube
MECHANICAL	Input/Output Fiber Type Operating Temperature Power Supply Power Consumption Fiber Type Fiber Jacket Connector Type	Corning SMF-28 -10°C to +50°C +5 V DC, 4.0 A max. 20 W max. SMF-28 900 um loose tube FC/APC
MECHANICAL	Input/Output Fiber Type Operating Temperature Power Supply Power Consumption Fiber Type Fiber Jacket Connector Type Connector (Power and Control)	Corning SMF-28 -10°C to +50°C +5 V DC, 4.0 A max. 20 W max. SMF-28 900 um loose tube FC/APC 2 x 15 pin header, 1.0 mm pitch
MECHANICAL	Input/Output Fiber Type Operating Temperature Power Supply Power Consumption Fiber Type Fiber Jacket Connector Type Connector (Power and Control) Remote Control	Corning SMF-28 -10°C to +50°C +5 V DC, 4.0 A max. 20 W max. SMF-28 900 um loose tube FC/APC 2 x 15 pin header, 1.0 mm pitch RS-232 for laser control, status monitoring 90 mm x 70 mm x 20 mm without heat sink



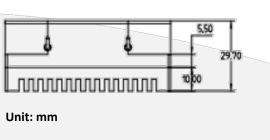
Product specifications and description are subject to change without notice. © 2020 Optilab, EDFA-MP-MSA. Mar 2020 Rev. 2.0

DRAWING

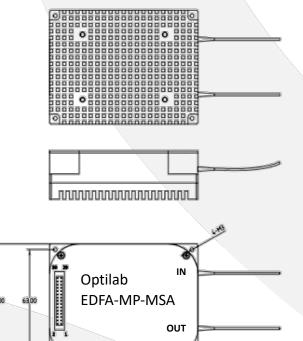
EDFA-MP-MSA



* A detachable heatsink is included.



Î



83,00 90,00

Output

ELECTRICAL PINOUT

PIN #	DESCRIPTION	PIN #	DESCRIPTION
1	+5V	2	+5V
3	NC	4	NC
5	GND	6	GND
7	RS232 RX, TTL	8	RS-232 TX, TTL
9	GND	10	GND
11	NC	12	NC
13	Amplifier Enable, active low, 3.3V LVCMOS	14	NC
15	Case Temp Alarm*, active high, 3.3V LVCOMS	16	NC
17	NC	18	NC
19	Loss of Input Alarm*, active high, 3.3V LVCMOS	20	Loss of Output Alarm*, active high, 3.3V LVCOMS
21	GND	22	GND
23	NC	24	NC
25	GND	26	GND
27	NC	28	NC
29	+5V	30	+5V

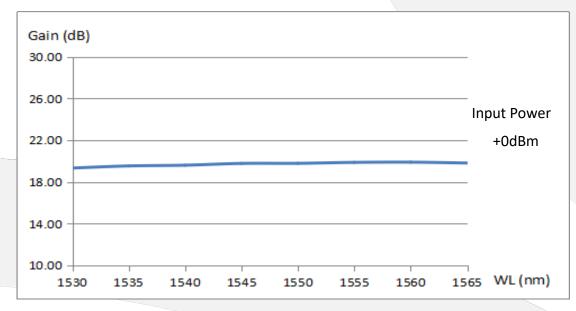
optilob

* Alarm function is disabled in the firmware.





GAIN SPECTRUM



ACCESSORIES

