

Features

- * 1300nm window
- * High signal gain
- * Optically isolated input and output ports to minimize system susceptibility due to connector reflections
- * Input and output signal monitoring
- * SOA automatic shutdown to avoid any further damage
- * Front panel LCD display and status LED indicators for quick access of unit's status
- * RS-232 and Ethernet interface for local and remote supervision.
- * Redundant dual power supply

Applications

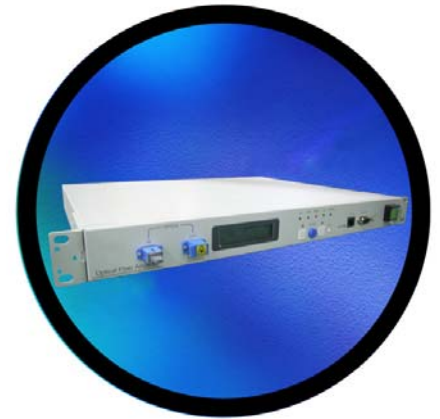
- * Metropolitan WAN network systems
- * Access network systems
- * Submarine transmission systems
- * High speed transmission systems

Description

GIP Technology Semiconductor Optical Amplifier (SOA) is intended for use in 1300nm transmission systems. Its high output saturation power level can provide a cost effective solution to increase optical launch power and span loss compensation.

This model is offered as 1300nm-band in booster configuration.

In addition, these units also provide a user-friendly status monitoring via an LCD display, LED indicators, and various communication interfaces (RS232 and SNMP).



Specifications

Optical Information		Unit	Description
Operating wavelength		nm	1280 ~ 1340
Input power		dBm	-20 ~ 0
Saturated output power*	Typ.	dBm	10
Signal gain	Typ.	dB	16
Noise figure	Max.	dB	7.0
Polarization dependent gain	Max.	dB	1.5
Gain ripple	Typ.	dB	0.8
Return loss	Min.	dB	45
Connector			SC or FC
Electrical Information			
Operating voltage		Volt	-48VDC and 100~240 VAC
Pump LD ON/OFF switch			Key type
Control interface			RS232 & SNMP
Power consumption	Typ.	W	10
Environmental Information			
Operating temperature		°C	0 ~ 50
Storage temperature		°C	-20 ~ 80
Relative humidity (non-condense)		%	5 ~ 85
Outline Information			
Dimension		mm	19" or 23"

* Saturated power is composed of optical signal and ASE power.

