

Features

- * Highly signal gain and output power
- * Automatic shutdown to avoid any further damage when input power too low
- * RS-232 and Ethernet interface for local and remote supervision.
- * Optional redundant dual power supply

Applications

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

Description

GIP Technology SOA Unit for Telecom Application (TLM-SOA-00-00-U) is intended for use in the transmission systems of 1310 / 1490 / 1550nm. Its high output saturation power level can provide a cost-effective solution to increase optical launch power and span loss compensation.

In addition, these units also provide a user-friendly status monitoring via an LCD display, LED indicators, and various communication

interfaces (RS232 and SNMP).



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Specifications

Optical Information		Unit	Description		
Operating wavelength	Typ.	nm	1280~1340	1520~1570	1480~1510
3dB optical bandwidth	Typ.	nm	45	50	45
Saturated output power ^{*1}	Max.	dBm	10	13	9
Signal gain	Max.	dB	20	23	20
Noise figure	Max.	dB	8.0	9.0	8.5
Polarization dependent gain	Typ.	dB	1.5		
Gain ripple	Typ.	dB	0.8		
Return loss	Min.	dB	45		
Fiber type			SMF-28		
Connector			SC or FC		
Electrical Information					
Operating voltage	Volt		-48VDC or 100~240 VAC		
SOA ON/OFF switch			Key type		
Control interface			RS232 & SNMP		
Power consumption	Typ.	W	10		
Environmental Information					
Ambient temperature	°C		0 ~ 50		
Storage temperature	°C		-20 ~ 80		
Relative humidity (non-condense)	%		5 ~ 85		
Mechanical Information					
Dimension			19" and 23" 1-RU rack, or Bench-Top		

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