

Features

- * Flattened Raman gain performance
- * High Raman pump power
- * Low effective noise figure
- * 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

- * 10Gb/s and 40Gb/s transmission system
- * Long-haul DWDM telecommunication system
- * High channel count system
- * Increase regenerator spacing

Description

GIP Technology Raman pump units (RPU) are specifically designed for distributed Raman application, using the entire transmission fiber as a gain medium, can achieve to improve the OSNR and other system performance greatly. These series incorporate excellent pump power combiner and pump/signal multiplexer to produce highest Raman gain in the most conversion efficiency. These series are suitable used in ultra-long haul and wide bandwidth DWDM systems of core network and Metropolitan network.

This model is offered as C-band version in the counter-propagating configuration.

The compact stand-alone type, it not only can be embedded in the EIA 19 and 23-inch rack-mounted chassis, but also can be placed on the desk.

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	1528 ~ 1565
On-off gain*	Min.	dB	10 @ 1552 nm
Effective noise figure	Max.	dB	0 @ 1552 nm
Polarization mode dispersion	Max.	ps	0.2
Insertion loss over C band	Max.	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	40
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"

* Measured at G.652 SMF.

