Features

- Bench-top package, with Strap-handled
- Stable saturated output power
- Input and output signal monitoring
- Optically isolated input and output ports to minimize system susceptibility due to connector reflections
- Adaptor with shutter to avoid any human injuries
- Front panel LCD display and status LED indicators for quick access of unit’s status
- RS-232 interface for local supervision
- Pump current adjust by knob

Applications

- Coherent beam combining
- Detection system
- Sensing

Description

GIP Technology S-series Ytterbium Doped Fiber Amplifiers (YDFAs) are designed for use in the single-channel applications. These series incorporate a special, unique, and flexible structure to produce maximum signal gain and saturated output power. Through optimization of these important amplifier parameters, this module will be easily deployed into any of high-quality telecommunication platforms.

The bench-top package size serves the area size, can be used in the components or sub-assembly manufacturing as well as research and development (R&D) environments.

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

### Optical Information

<table>
<thead>
<tr>
<th>Description</th>
<th>Unit</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating wavelength range</td>
<td>nm</td>
<td>1030 ~ 1100</td>
</tr>
<tr>
<td>Input power range</td>
<td>dBm</td>
<td>-30 ~ 0</td>
</tr>
<tr>
<td>Saturated output power*1</td>
<td>Max. dBm</td>
<td>16, 18, 20</td>
</tr>
<tr>
<td>Return loss</td>
<td>Min. dB</td>
<td>45</td>
</tr>
<tr>
<td>Optical connector</td>
<td></td>
<td>SC or FC</td>
</tr>
</tbody>
</table>

### Electrical Information

- Power supply: V 100 ~ 240 VAC
- Interface: RS232

### Environmental and Mechanical Information

- Operating temperature: °C 0~35
- Storage temperature: °C 0~55
- Relative humidity (non-condense): % 5~85
- Physical dimension: mm Benchtop or Customerized

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