Mobile EYDFA Module

Mobile EYDFA module can realize low noise figure and high output power based on the optimized optical design. The maximum output power can approach 33 dBm. It has been widely utilized in Lidar and laser ranging system. The control mode is ACC/APC/AGC. The high reliability temperature controlling techniques ensures the product excellent thermal performance under a wide temperature range.

Characteristics

- Control mode ACC/APC/AGC
- Low noise figure and power consumption
- High stability and reliability
- Customized

Applications

- Vehicle, airborne laser ranging and sensing system
- Universities and institutes

Specifications

Product Type	EYA-S-CC-90*70*25-XX/XX-1-1/1*①		
Parameters	**Minimum**	**Typical**	**Maximum**
Wavelength (nm)	1532	1550	1569
Input Power (dBm)	-10	-	10
Output Power (dBm)	30	-	33
Output Power Stability (dB)		± 0.1	
Gain (dB)	-	37	-
Noise Figure (dB)	-	5.5	6.0
Return Loss (dB)		⩽ -45	
Operating Temperature (°C)	-40	-	65
Storage Temperature (°C)	-40	-	85
Power Supply (V)	4.75	5.00	5.25
Power Consumption (W)	-	-	40
Communication Protocol		RS232	
Electrical Connector		TEM-115-02-03.0-FG-D-L1 or Customized	
Optical Connector		FC/APC or Customized	
Pigtail Length (cm)		> 50	
Dimensions (mm)		90(L)×70(W)×25(H)	

*① EYA-S-CC-90*70*25-XX/XX-1-1/1, the first XX means output gain, and the second XX means gain