



**FYTEC**<sup>®</sup>  
FIBRA Y TECNOLOGÍA

77 EYA

# OPTICAL AMPLIFIER



Precision Manufacturing / Quality Assurance



## High-Quality Raw Materials

Made from high-quality raw materials for extended lifespan



## Diverse Specifications

We can customize products in various specifications according to customer requirements



## Easy Maintenance

Product Modular Design

# Product Structure Analysis



<b>1</b>	Electronic lock	<b>2</b>	Button
<b>3</b>	Input power port	<b>4</b>	Sub out
<b>5</b>	Tx out	<b>6</b>	Rx Test port
<b>7</b>	LCD Display	<b>8</b>	Output power port
<b>9</b>	Main power supply	<b>10</b>	Auxiliary Power Supply
<b>11</b>	RJ45	<b>12</b>	GSM
<b>13</b>	SIM	<b>1</b>	Fan

# External Hot-Swappable Modules



Optional GSM or Serial Module Configuration



## Comprehensive upgrade, new network management system



Support for IPv6 protocol



Clean and visually appealing pages



Parameter alert states are now easier to distinguish



Modular design for network management module.



Fully compatible, suitable for the majority of browsers and operating systems



# Hot-swappable power supply



Single-output configuration, optimized to reduce ripple.



External high-intensity LED indicator on the power supply for easy observation

# Optional functionality available



Optional built-in optical switch module available



Optional Optical Transmitter Module



Optional OR RF detection port

# Specification

Item	Unit	Specification	Note	
CATV wavelength	nm	1535~1565	Central wavelength 1550nm	
PON OLT wavelength	nm	1310/1490	Customized 1270/1577	
GPON + XG(S)-PON	mm	1270 /1310/1490/1577		
CATV Input Power Range	dBm	-5dBm~+10dBm	Limit Range -10dBm~+10dBm	
Max Total Output Power	dBm	41	Depending on the model	
Output Power Stability	dB	±0.1		
Noise	dB	≤ 6		
Return Loss	Input	dB	≥ 45	
	Output	dB	≥ 45	
OSW	Input port		2	Optional
	Insertion loss	dB	≤1.5	
	Switching time	s	<0.5	
Direct Modulation Transmitter	Wavelength	nm	1550	Optional
	Input level	dBuV	75~90	
	Output power	dBmW	3/5/7/10	
RF Test	Output level	dBuV	≥56	Optional
Optical Connector		SC/APC ; SC/PC ; LC/APC ; LC/PC	Customized	
C/N	dB	≥ 50	Testing conditions are carried out according to GT/T 184-2002	
C/CTB	dB	≥ 63		
C/CSO	dB	≥ 63		
Power Supply Voltage	V	AC90V~AC265V		
Consumption	W	< 150		
Operating Temperature	°C	-5 - +50		
Max Operating Humidity	%	Maximum 95% non-condensing		
Storage Temperature Range	°C	-40 ~ +80		
Max Storage Humidity	%	Maximum 95% non-condensing		
Size	mm	602(L)*480(W)*89(H)		
Package Size(1pc)	mm	635(L)*635(W)*155(H)		

