Specification

ACE

16 Port EDFA with PON 20dB 1550nm Optical Amplifier Multi-Output for MATV/CATV FTTx & HFC Networks

ACE-WE-YZB-16-20

Product Summary

ACE-WE-YZB-16-20 16 Port EDFA with PON 20dB 1550nm Optical Amplifier Multi-Output for MATV/CATV FTTx & HFC Networks Erbium-Doped Fiber Amplifier is designed and manufactured according to the communication level standards, amplifying the 1550nm optical signal, which is mainly used for analog & digital television signal, telephone voice signals and data (or data compression) signal for a long distance optical fiber transmission. ACE-WE-YZB-16-20 has stable optical output power circuit and pump laser thermoelectric cooling device Temperature stability control circuit to ensure the best performance of the equipment and long-life laser stability.

Features & Benefits:

1. Operating bandwidth 1545-1565 nm
2. Output power per port 20dBm
3. Output ports number 16 ports
4. Optical input power range -5~+10 dBm
5. Optical Connector Type SC/APC
6. Power supply voltage 160-250VAC
7. Operating temperature range -10~+42°C
8. For FTTH network MATV/CATV network

Specifications:

Item	Unit	Technique parameters	
Operating bandwidth	nm	1545-1565	
Optical input power range	dBm	-5~+10	
Output power per port dBm	dBm	20dBm	
Total output power dBm	dBm	34dBm	
Output ports number	ports	16	
Output power stability	dBm	+/-0.5	
Noise figure	dB	≤6	@0dBm / λ=1550nm
Return loss Inputd dB	dB	≥ 45	
Return loss Output dB	dB	≥ 45	
Optical Connector Type	-	SC/APC	
C/N	dB	≥ 5	Test condition according to GT/T 184-2002.
C/CTB	dB	≥ 63	
C/CSO	dB	≥ 63	
Power supply voltage	VAC	AC160-250V	
Operating temperature range	°C	-10~+42	
Maximum operating relative humidity	%	Max 95% no condensation	
Storage temperature range	°C	-30~+70	
Maximum storage relative humidity		Max 95% no condensation	
Dimension		483(L)x440(W)x88(H)	