

High-power 1550nm Fiber Amplifier



Application

- Single-mode fiber 1550 amplification network
- FTTH network
- CATV network

Performance Characteristics

- Adopts Er Yb Codoped double-clad fiber technology
- Output ports: 4-64 optional
- Optical output power: total output up to 10W
- Low noise figure: <5dB when input is 0dBm
- Perfect network management interface, in line with standard SNMP network management
- Intelligent temperature control system make the power consumption lower

Technique Parameters

Item	Unit	Technique parameters	Remark
Operating bandwidth	nm	1530 - 1560	
Optical input power range	dBm	-3 - +10	
Maximum optical output power	dBm	39	
Output power stability	dBm	±0.5	
Noise figure	dB	≤ 5.0	Optical input power 0dBm, λ=1550nm
Return loss	Input	dB	≥ 45
	Output	dB	≥ 45
Optical Connector Type		SC/APC	
C/N	dB	≥ 50	Test condition according to GT/T 184-2002.
C/CTB	dB	≥ 63	
C/CSO	dB	≥ 63	
Power supply voltage	V	A: AC160V - 250V (50 Hz) B: DC48V	
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	mm	483(L)×440(W)×88(H)	