

WDM AMPLIFIER [OAW-1550-x-x-x-x-x-x-x-x]

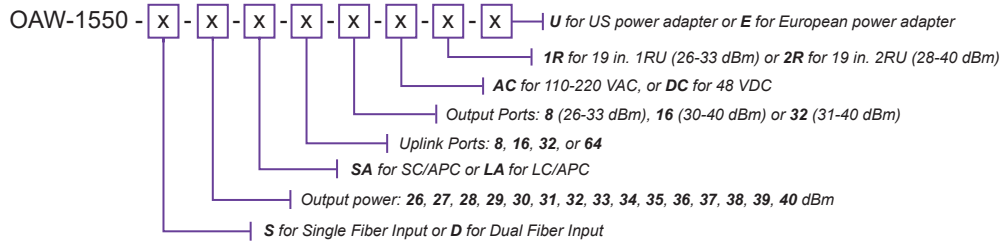
Fiber Products, Amplifier

Features

- 1540~1563 nm Operating Bandwidth
- 500~10000 mW (27~40 dBm) High Output Power
- Low Noise Subnumber (Typ ≤ 4.5 dB, Max ≤ 5.0 dB)
- 8~64 Uplink Optical Port, Used in OLT
- SNMP Network Management
- High Performance and Reliability // Excellent P/P Ratio
- Single or Dual Fiber Input
- 8, 16, or 32 1550 nm Output Optical Port, Multiplex 1310/1490 nm Data Stream
- Efficient Space, Flexible Installation, and Easy Operation
- Compatible with any FTTx PON Technology Including: EPON/GEAPON, GPON, XGPON



Ordering Information



Model Number	Description	Box Weight	Output Power (dBm)
OAW-1550-S-x-x-x-x-x-x-x	WDM Amplifier for 1550 nm, Single Fiber	16 kg / 35.27 lbs	26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40
OAW-1550-D-x-x-x-x-x-x-x	WDM Amplifier for 1550 nm, Dual Fiber	16 kg / 35.27 lbs	26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40

Optical Features

Output Wavelength	1540 - 1563 nm
OLT Pass Wavelength	1310/1490 nm
CATV Pass Wavelength Loss	< 0.8 dB
OLT Pass Wavelength Loss	< 0.8 dB
CATV & OLT Isolation	> 40 dB
Uplink Optical Ports	8, 16, 32, 64
Optical Input Power	-10 ~ 10 dBm
Optical Output Power	See chart below
Output Ports	8, 16, 32
Each Port Output Power	10 ~ 22 dBm
Each Output Power Difference	-0.5 ~ +0.5 dB
Output Power Adjustable Range	-6 ~ 0 dBm
Noise Figure	4.5 ~ 5.0 dB
Polarization Dependence Loss	< 0.3 dB

Optical Features (cont.)

Polarization Dependence Gain	< 0.4 dB
Polarization Mode Dispersion	< 0.3 ps/nm
Input / Output Isolation	> 30 dB
Pump Power Leakage	< -30 dBm
Echo Loss	> 55 dB

General Features

SNMP Network Interface	RJ45
Serial Communication Interface	R232
Power Supply	110 ~ 240 110 or 220 VAC 30 ~ 72 -48 VDC
Power Consumption	≤ 150 W
Operating Temperature	-5 °C (23 °F) ~ 65 °C (149 °F)
Storage Temperature	-40 °C (-40 °F) ~ 80 °C (176 °F)
Operating Relative Humidity	5 % ~ 95 %
Rack Size (WxDxH)	19 x 14.5 x 1.75 in.

Model	Output Power (dBm)	Input Power & Range	Each Port Output Power	Connector Type
OAW-1550-x-26-x-x-8-x-x	> 26	-10 (min) ~ +10 (max)	15.0 dBm	SC/APC, LC/APC
OAW-1550-x-27-x-x-8-x-x	> 27	-10 (min) ~ +10 (max)	16.0 dBm	SC/APC, LC/APC
OAW-1550-x-28-x-x-8-x-x	> 28	-10 (min) ~ +10 (max)	17.0 dBm	SC/APC, LC/APC
OAW-1550-x-29-x-x-8-x-x	> 29	-10 (min) ~ +10 (max)	18.0 dBm	SC/APC, LC/APC
OAW-1550-x-30-x-x-8-x-x	> 30	-10 (min) ~ +10 (max)	19.0 dBm	SC/APC, LC/APC
OAW-1550-x-30-x-x-16-x-x	> 30	-10 (min) ~ +10 (max)	15.5 dBm	SC/APC, LC/APC
OAW-1550-x-31-x-x-8-x-x	> 31	-10 (min) ~ +10 (max)	20.0 dBm	SC/APC, LC/APC
OAW-1550-x-31-x-x-16-x-x	> 31	-10 (min) ~ +10 (max)	16.5 dBm	SC/APC, LC/APC
OAW-1550-x-31-x-x-32-x-x	> 31	-10 (min) ~ +10 (max)	13.0 dBm	SC/APC, LC/APC
OAW-1550-x-32-x-x-8-x-x	> 32	-10 (min) ~ +10 (max)	21.0 dBm	SC/APC, LC/APC
OAW-1550-x-32-x-x-16-x-x	> 32	-10 (min) ~ +10 (max)	17.5 dBm	SC/APC, LC/APC
OAW-1550-x-32-x-x-32-x-x	> 32	-10 (min) ~ +10 (max)	14.0 dBm	SC/APC, LC/APC
OAW-1550-x-33-x-x-8-x-x	> 33	-10 (min) ~ +10 (max)	22.0 dBm	SC/APC, LC/APC
OAW-1550-x-33-x-x-16-x-x	> 33	-10 (min) ~ +10 (max)	18.5 dBm	SC/APC, LC/APC
OAW-1550-x-33-x-x-32-x-x	> 33	-10 (min) ~ +10 (max)	15.0 dBm	SC/APC, LC/APC
OAW-1550-x-34-x-x-16-x-x	> 34	-10 (min) ~ +10 (max)	19.5 dBm	SC/APC, LC/APC
OAW-1550-x-34-x-x-32-x-x	> 34	-10 (min) ~ +10 (max)	16.5 dBm	SC/APC, LC/APC
OAW-1550-x-35-x-x-16-x-x	> 35	-10 (min) ~ +10 (max)	20.5 dBm	SC/APC, LC/APC
OAW-1550-x-35-x-x-32-x-x	> 35	-10 (min) ~ +10 (max)	17.0 dBm	SC/APC, LC/APC
OAW-1550-x-36-x-x-16-x-x	> 36	-10 (min) ~ +10 (max)	21.5 dBm	SC/APC, LC/APC
OAW-1550-x-36-x-x-32-x-x	> 36	-10 (min) ~ +10 (max)	18.0 dBm	SC/APC, LC/APC
OAW-1550-x-37-x-x-16-x-x	> 37	-10 (min) ~ +10 (max)	22.5 dBm	SC/APC, LC/APC
OAW-1550-x-37-x-x-32-x-x	> 37	-10 (min) ~ +10 (max)	19.0 dBm	SC/APC, LC/APC
OAW-1550-x-38-x-x-16-x-x	> 38	-10 (min) ~ +10 (max)	23.5 dBm	SC/APC, LC/APC
OAW-1550-x-38-x-x-32-x-x	> 38	-10 (min) ~ +10 (max)	20.5 dBm	SC/APC, LC/APC
OAW-1550-x-39-x-x-16-x-x	> 39	-10 (min) ~ +10 (max)	24.5 dBm	SC/APC, LC/APC
OAW-1550-x-39-x-x-32-x-x	> 39	-10 (min) ~ +10 (max)	21.5 dBm	SC/APC, LC/APC
OAW-1550-x-40-x-x-16-x-x	> 40	-10 (min) ~ +10 (max)	25.5 dBm	SC/APC, LC/APC
OAW-1550-x-40-x-x-32-x-x	> 40	-10 (min) ~ +10 (max)	22.5 dBm	SC/APC, LC/APC