

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

Fiber Products, Amplifier

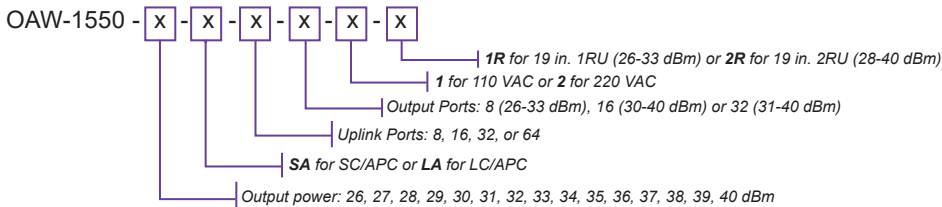


Features

- 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
- 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/GEPON, GPON



Ordering Information



| Model Number | Description | Box Weight | Output Power (dBm) |
|----------------------|---------------------------|--------------|--|
| OAW-1550-x-x-x-x-x-x | WDM Amplifier for 1550 nm | 3 kg / 7 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-1550-26-x-x-8-x-x | > 26 | -10 (min) ~ +10 (max) | 15.0 dBm | SC/APC, LC/APC |
| OAW-1550-27-x-x-8-x-x | > 27 | -10 (min) ~ +10 (max) | 16.0 dBm | SC/APC, LC/APC |
| OAW-1550-28-x-x-8-x-x | > 28 | -10 (min) ~ +10 (max) | 17.0 dBm | SC/APC, LC/APC |
| OAW-1550-29-x-x-8-x-x | > 29 | -10 (min) ~ +10 (max) | 18.0 dBm | SC/APC, LC/APC |
| OAW-1550-30-x-x-8-x-x | > 30 | -10 (min) ~ +10 (max) | 19.0 dBm | SC/APC, LC/APC |
| OAW-1550-30-x-x-16-x-x | > 30 | -10 (min) ~ +10 (max) | 15.5 dBm | SC/APC, LC/APC |
| OAW-1550-31-x-x-8-x-x | > 31 | -10 (min) ~ +10 (max) | 20.0 dBm | SC/APC, LC/APC |
| OAW-1550-31-x-x-16-x-x | > 31 | -10 (min) ~ +10 (max) | 16.5 dBm | SC/APC, LC/APC |
| OAW-1550-31-x-x-32-x-x | > 31 | -10 (min) ~ +10 (max) | 13.0 dBm | SC/APC, LC/APC |
| OAW-1550-32-x-x-8-x-x | > 32 | -10 (min) ~ +10 (max) | 21.0 dBm | SC/APC, LC/APC |
| OAW-1550-32-x-x-16-x-x | > 32 | -10 (min) ~ +10 (max) | 17.5 dBm | SC/APC, LC/APC |
| OAW-1550-32-x-x-32-x-x | > 32 | -10 (min) ~ +10 (max) | 14.0 dBm | SC/APC, LC/APC |
| OAW-1550-33-x-x-8-x-x | > 33 | -10 (min) ~ +10 (max) | 22.0 dBm | SC/APC, LC/APC |
| OAW-1550-33-x-x-16-x-x | > 33 | -10 (min) ~ +10 (max) | 18.5 dBm | SC/APC, LC/APC |
| OAW-1550-33-x-x-32-x-x | > 33 | -10 (min) ~ +10 (max) | 15.0 dBm | SC/APC, LC/APC |
| OAW-1550-34-x-x-16-x-x | > 34 | -10 (min) ~ +10 (max) | 19.5 dBm | SC/APC, LC/APC |
| OAW-1550-34-x-x-32-x-x | > 34 | -10 (min) ~ +10 (max) | 16.5 dBm | SC/APC, LC/APC |
| OAW-1550-35-x-x-16-x-x | > 35 | -10 (min) ~ +10 (max) | 20.5 dBm | SC/APC, LC/APC |
| OAW-1550-35-x-x-32-x-x | > 35 | -10 (min) ~ +10 (max) | 17.0 dBm | SC/APC, LC/APC |
| OAW-1550-36-x-x-16-x-x | > 36 | -10 (min) ~ +10 (max) | 21.5 dBm | SC/APC, LC/APC |
| OAW-1550-36-x-x-32-x-x | > 36 | -10 (min) ~ +10 (max) | 18.0 dBm | SC/APC, LC/APC |
| OAW-1550-37-x-x-16-x-x | > 37 | -10 (min) ~ +10 (max) | 22.5 dBm | SC/APC, LC/APC |
| OAW-1550-37-x-x-32-x-x | > 37 | -10 (min) ~ +10 (max) | 19.0 dBm | SC/APC, LC/APC |
| OAW-1550-38-x-x-16-x-x | > 38 | -10 (min) ~ +10 (max) | 23.5 dBm | SC/APC, LC/APC |
| OAW-1550-38-x-x-32-x-x | > 38 | -10 (min) ~ +10 (max) | 20.5 dBm | SC/APC, LC/APC |
| OAW-1550-39-x-x-16-x-x | > 39 | -10 (min) ~ +10 (max) | 24.5 dBm | SC/APC, LC/APC |
| OAW-1550-39-x-x-32-x-x | > 39 | -10 (min) ~ +10 (max) | 21.5 dBm | SC/APC, LC/APC |
| OAW-1550-40-x-x-16-x-x | > 40 | -10 (min) ~ +10 (max) | 25.5 dBm | SC/APC, LC/APC |
| OAW-1550-40-x-x-32-x-x | > 40 | -10 (min) ~ +10 (max) | 22.5 dBm | SC/APC, LC/APC |