



**DW-ORA**  
**Optical receiver (AGC)**



DW-ORAL



DW-ORAG

**Overview**

DW-ORA FTTH special optical receiver is designed to deal with FTTH fiber to the subscriber network structure and launch products, light AGC control characteristic, output settings, optical power input ( - 7 ~ + 2 dBm ), output level is maintained substantially constant, CTB / CSO basically unchanged, machine reserved for data communication interface, convenient and network management responder connection, access network management system, digital display parameters, so that the engineering debugging more convenient, high tensile aluminum alloy shell ( waterproof ), good shielding effect, more stable performance, highly cost-effective, can be widely used in HFC broadband integrated information network, can be used for fiber to the building, making the network more simplicity, lower cost, is the mainstream model of constructing CATV network.

**Parameters**

| Performance         |                                     | Index  |
|---------------------|-------------------------------------|--|
| Optic Port          | The light receiving wavelength (nm) | 1100~ 1600   |
|                     | Receiving optical power (dBm)       | -7~ +2   |
|                     | Suggested use (dBm)                 | -5~ +1   |
|                     | Optical fiber type                  | Single mode  |
|                     | Reflection loss (dB)                | >45  |
| Link                | C/N (dB)                            | ≥ 51   |
|                     | C/CTB (dB)                          | ≥ 65   |
|                     | C/CSO (dB)                          | ≥ 60   |
| RF Port             | Working bandwidth (MHz)             | 45~862 Optional  |
|                     | In-band flatness (dB)               | ± 1  |
|                     | Nominal output level (dBμV)         | ≥ 102± 1.0   |
|                     | Maximum output level (dBμV)         | ≥ 106± 1.0   |
|                     | Output return loss (dB)             | ≥ 16   |
|                     | Input port number                   | 2  |
|                     | Output impedance (Ω)                | 75   |
| General Information | Optical fiber connector             | FC/APC/SC/APC (Or specified by the user)                             |
|                     | Network management interface        | RJ45(SNMP)   |
|                     | Power supply voltage (V)            | A:AC150~265.B:AC35~90 (50Hz)   |
|                     | Working temperature (°C)            | -40~60   |
|                     | Power waste (W)                     | ≤ 10   |
|                     | Outline dimensions (mm)             | DW-ORAL:190 (W) × 120(D) × 40(H)<br>DW-ORAG:190 (W) × 145(D) × 40(H) |