

FTTH PON & CATV WDM OPTICAL RECEIVER

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Variants

FWR-8610RW

Details

FTTH PON & CATV WDM Optical Receiver (FWR-8610RW)

The FWR-8610RW is a high-performance FTTH PON & CATV WDM Optical Receiver designed for triple-play networks. It integrates WDM technology with RF AGC to deliver stable, high-quality CATV signals over fiber.

Optical Specifications

Category	Specification
Model	FWR-8610RW
Product Type	FTTH PON + CATV WDM Optical Receiver
Application	FTTH, CATV, Triple-play Networks
Technology	High Isolation WDM + RF AGC
Fiber Interface	SC/UPC or SC/APC
Optical Wavelength (Input)	1310 / 1490 / 1550 nm
Optical Wavelength (Output)	1310 / 1490 nm
CATV Wavelength	1540 – 1560 nm

Channel Separation	? 40 dB
Responsivity	? 0.9 A/W
Optical Receive Power	+3 to -18 dBm
Optical Indicator	LED (? -15 dBm)
Return Loss	? 55 dB

RF Performance

Parameter	Value
Frequency Range	47 – 1000 MHz
Flatness	? ± 1 dB
Output Level	82 / 76 / 70 dB μ V (± 1 dB)
Output Adjustment	0 ~ -18 dB
RF Output	Metric (Single Output)
RF Return Loss	? 14 dB (75?)
CNR / MER	? 44 / 34 dB
CTB / CSO / HUM	? 65 / ? 60 / ? 60 dB

Power & Environment

Category	Specification
Power Supply	AC 155–255V ? DC 12V
Power Consumption	? 5 W
Operating Temperature	-35°C to +50°C

Storage Temperature	-40°C to +75°C
Humidity	5% – 90%
Dimensions	130 × 60 × 22 mm

Packing Details

Category	Specification
Packing	1 pc / box
Carton Quantity	80 pcs / carton