

Q-SERIES® Optical

Fiber Optic Products



QFQR 200A Return Path Optical Receiver:

QFQR 200 series rack mount return path receiver has been designed to meet the requirements of today's advanced services, such as analog video transport, as well as digital QAM or QPSK data traffic. In each 19" 1RU rack, there are two or four independent return path optical receivers, which utilize high performance photodiodes & hybrid amplification. An optical power indicator along with an RF test port on the front panel can be used to quickly monitor each receiver's operating status.

Features:

- ▶ Suitable for 1310nm, 1550nm, or CWDM wavelengths
- ▶ 19" 1RU standard rack mount
- ▶ Low noise, high linearity photodiode
- ▶ 5-200 MHz RF bandwidth
- ▶ Integrated bandpass filter to suppress out-of-band upstream noise
- ▶ Output adjustment & -20 dB RF test available on front panel



QFQR 200A-04 (front view)



QFQR 200A-04 (rear view)

QFQR 200A Return Path Optical Receiver Specifications

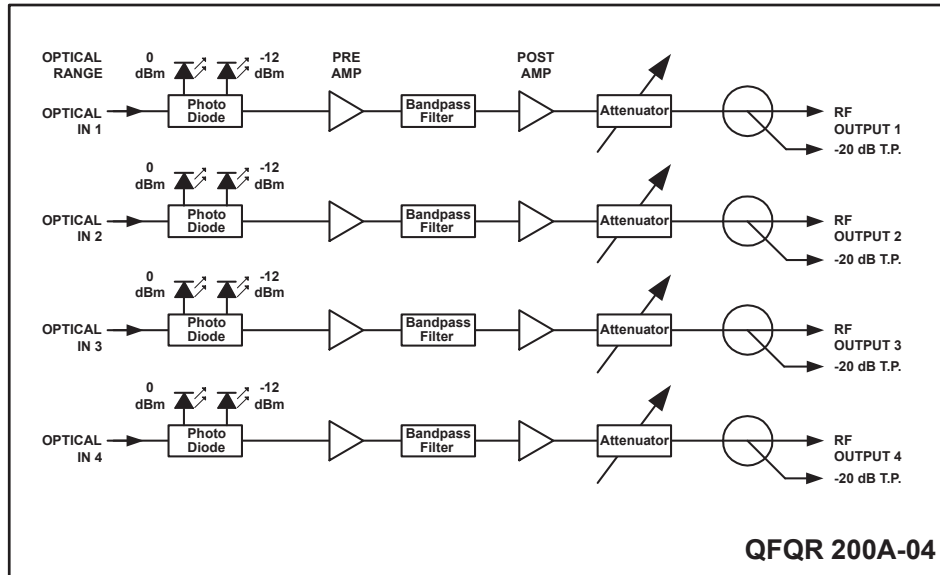
SPECIFICATIONS	QFQR 200A
INPUT OPTICAL POWER	-15 to +2 dBm
RECOMMENDED OPTICAL INPUT	-10 to 0 dBm
OPTICAL RETURN LOSS	> 45 dB
OPTICAL WAVELENGTH	1100-1600nm
OPTICAL FIBER CONNECTOR	SC/APC
NOISE POWER RATIO	≥ 15 dB (for DFB laser return path transmitter) ≥ 10 dB (for FP laser return path transmitter)
FREQUENCY RANGE	5-200 MHz
FLATNESS IN BAND	± 0.75 dB
RF OUTPUT (Min)	20 dBmV @ -8 dBm Optical Input
MGC CONTROL RANGE	± 5 dB
RF RETURN LOSS	≥ 16 dB (5-200 MHz)
OUTPUT IMPEDANCE	75 Ω
OPERATING TEMPERATURE	0°C to +50°C (+32°F to +122°F)
HUMIDITY	20%-55% (without condensation)
POWER CONSUMPTION	10W
POWER SUPPLY	90-265V (50/60 Hz)
DIMENSIONS	1.75"H x 19.0"W x 12.8"D (4.45H x 48.26W x 32.5D cm)
WEIGHT	17.64 lbs (8.0 kg)

QFQR 200A Return Path Optical Receiver:

Ordering Information

Part Number	Description
QFQR 200A-04	Four 5-200 MHz Return Path Optical Receivers with SC/APC Connectors
QFQR 200A-02	Two 5-200 MHz Return Path Optical Receivers with SC/APC Connectors

Functional Schematic



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Specifications subject to change without notice.

