



...communicating at the speed of light

FT-FRXID-RM-SCAPC Indoor Fiber Optic Receiver Rack Mountable

Features:

- Dual RF Outputs
- Wavelength: 1200 - 1600nm
- 47-860 MHz Forward Path Receiver
- Front panel input signal level display
- Wide optical input range -8dBm to +2dBm
- Complies with SCTE HMS and IEC network management standards
- -20 dB RF test point
- 19" Rack mountable housing



Description:

The FT-FRXID-RM-SCAPC is a state of the art rack mountable fiber optic receiver designed for indoor receive only fiber optic applications. With a receive frequency range of 47 to 860 MHz, these units offer flexibility in operation and maintenance. This unit provides a high level of reliability with low power, low noise, a high output level and excellent performance to price ratio. The automatic gain control (AGC) range is +1dBm to -6dBm providing a stable output level that remains within 0.5 dB. The FT-FRXID-RM-SCAPC has two RF outputs with an output level of 35 dBmV. The unit is contained in a rugged single rack space housing that is 19" rack mountable. A convenient -20dBmV test point is located on the front panel along with a digital input signal level display and equalization and attenuation controls. The back panel has an optical input along with two F connectors for the RF output.

Specifications:

Optical

Input Optical Power Range	-8 to +2 dBm
Optical Output Loss	≥45 dB
Working Wavelength	1200 - 1600 nm
Optical Connector	SC/APC
Optical AGC Control Range	-6 to +1dBm

General

Operating Temperature	-14°F to +122°F
Dimensions	19"W x 1.75"H x 7.5"D

RF

Bandwidth	47-860 MHz
Flatness	+/-0.75 dB
Impedance	75 Ohms
RF Output Level	35 dBmV
Slope Adjustment	0 - 18dB
Amplifier Gain	≥28 dB
RF Return Loss	≥16 dB
RF Test Point	-20 dB +/-1.0 dB
Carrier to Noise Ratio (CNR)	≥51 dBc
Composite Triple Beat (CTB)	≥61 dBc
Composite Second Order (CSO)	≥65 dBc

Ordering Information:

FT-FRXID-RM-SCAPC Dual Output fiber optic receiver with SC/APC fiber input

Contents Include:

- 1 Fiber optic receiver
- 1 Power cord

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