



FODII-FRX Forward Path Receiver



Application Features

- 50~870MHz bandwidth
- Configurable auto-switching between 2 optical channels
- Microprocessor control & monitoring
- AGC or MGC controlled mode
- Slope -1~+3dB adjustable
- Remote controlled function via SNMP

Optical Specifications

Photodiode type	InGaAs PIN
Optical wavelength	1260 ~ 1620nm
Optical power input range	+3 to -1 dBm
Equivalent input noise	8.5 pA / Hz ^{0.5}
Switching time	500ms / CHA or CHB fiber cur occurs

RF Specifications

Operating bandwidth	45 ~ 870MHz
Flatness	±1dB
RF output impedance	75Ω / unbalanced
RF output level range	36dBmV/ch (OMI=3.6%) @-3dBm input
RF output return loss	≥ 16dB
Slope	3 ~ -1dB
Analog channel loading	54 to 552 MHz / 77 ch NTSC
Digital channel loading	550 to 870 MHz / Digital signal
RF connector type	F-type Female
Channel to channel isolation	≥ 65dB
Test point	-20 ±1dB / ref. to output

Link Performance

CNR	≥ 52dB
CSO	≥ -64dBc
CTB	≥ -68dBc

(Note:OMI=3.6%, optical wavelength 1310nm, received optical power 0dBm,output level=36dBmV/ch, 77 channel loading)

General Specifications

Supply voltage	+24 VDC
Supply current	<1A at room temp
Power consumption	24 W
Operating temperature	0 to 50°C
Storage temperature	-20 to 60°C
Relative humidity	85% (Max)
Dimension	30.5W x 415.3D x 130H mm



Ordering Information

FODII-FRX -

<p>Connector SC: SC/APC with shutter FC: FC/APC</p>
