MODULO –
The HFC Headend Toolkit

dev
A QUINTECH COMPANY

The empty Frame

Main Features

- 5 RU
- Up to 18 active Modules + Power Supply
- Up to 22 1:8/8:1 Splitter/Combiner
- Up to 44 1:4/4:1 Splitter/Combiner
- Up to 66 1:2/2:1 Splitter/Combiner
- 50% higher Density than conventional products
- Cable Relief on the rear

Power Supply

- 220 W @ 45 °C
- 1+1 redundant Configuration
- Local LED Monitoring
  - AC OK
  - DC OK
  - Temp OK

Downstream Amplifier

- 85…1218 MHz
- 35 dB variable Gain
- 10 dB variable Slope
- <7 dB Noise @ 25 dB Gain
- In- and Outputs at the Rear
- Monitor Port for In- and Output at the Front
- Local Control of Gain and Slope

Upstream Amplifier

- 5…204 MHz
- 30 dB variable Gain
- 5 dB variable Slope
- <7 dB Noise @ 15 dB Gain
- In- and Outputs at the Rear
- Monitor Port for In- and Output at the Front
- Local Control of Gain and Slope

Splitter/Combiner 1:8/8:1

- 5…1218 MHz
- In- and Outputs at the Rear
- Monitor Port at the Front
- Jumper to select Splitter or Combiner Functionality
- Adjustable Attenuation per In-/Output Port
- Adjustable Slope at Common Port
- ClassA+10dB

Splitter/Combiner 2*1:4/2*4:1

- 5…1218 MHz
- In- and Outputs at the Rear
- Monitor Port at the Front
- Jumper to select Splitter or Combiner Functionality
- Adjustable Attenuation per In-/Output Port
- Adjustable Slope at Common Port
- ClassA+10dB

Splitter/Combiner 3*1:2/3*2:1

Main Features

- 5…1218 MHz
- In- and Outputs at the Rear
- Monitor Port at the Front
- Jumper to select Splitter or Combiner Functionality
- Adjustable Attenuation per In-/Output Port
- Adjustable Slope at Common Port
- ClassA+10dB

4 Path Equalizer

- 5…1218 MHz
- 4 Path Equalizer
- In- and Outputs at the Rear
- Monitor Port at the Front
- Adjustable Attenuation per In-/Output Port
- Adjustable Slope at Common Port
- ClassA+10dB

Downstream Transmitter

- 85…1218 MHz
- AGC and APC for an optimized OMI
- 2 RF Inputs at the Rear
- Optical Output at the Front
- Monitor Port at the Front
- Local Control of OMI level
- 9 Wavelength available
- Optical Output Power 7, 10 or 13 dBm

Upstream Receiver

- 5…204 MHz
- 20 dB variable Gain
- 5 dB variable Slope
- 2 RF Outputs at the Rear
- Optical Input at the Front
- Wideband optical Input 1260…1610 nm
- Monitor Port at the Front
- Local Control of Gain and Slope

Optical Multiplexer

- Optical Multiplexer for
  - WDM
  - CWDM

  Applications

The Frame - fully equipped

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- 50% higher Density than conventional products
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Technical specifications are subject to change