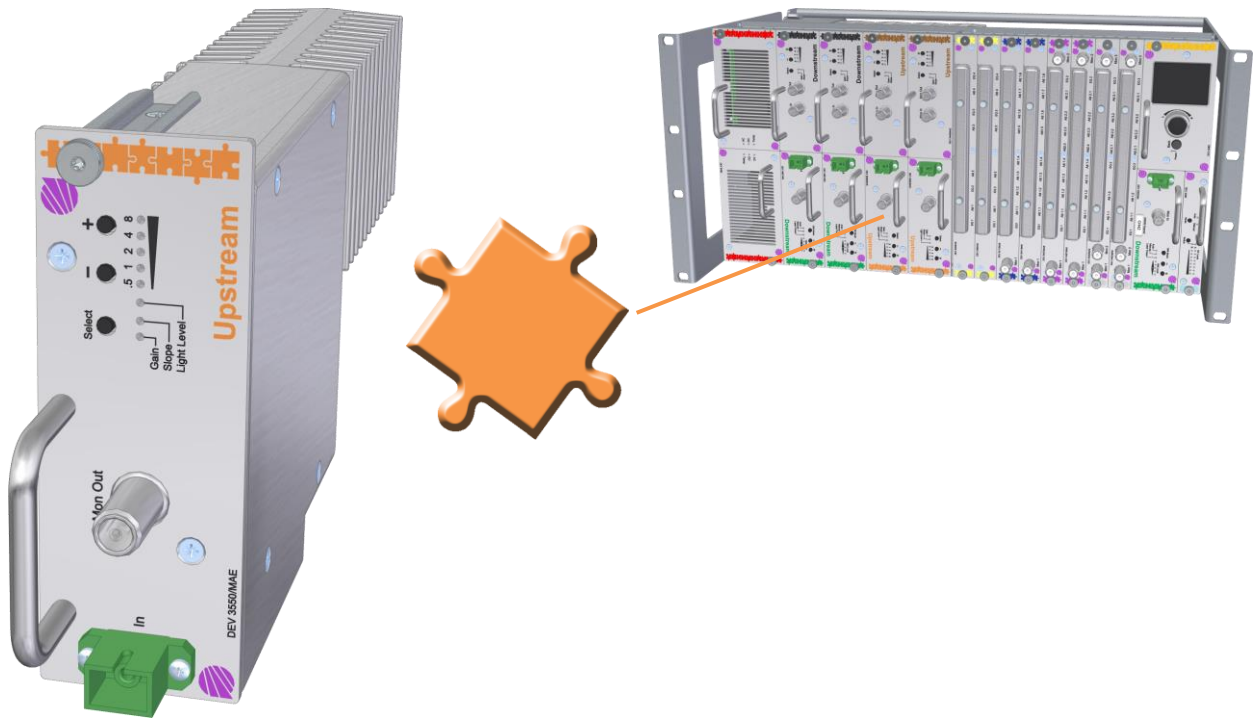
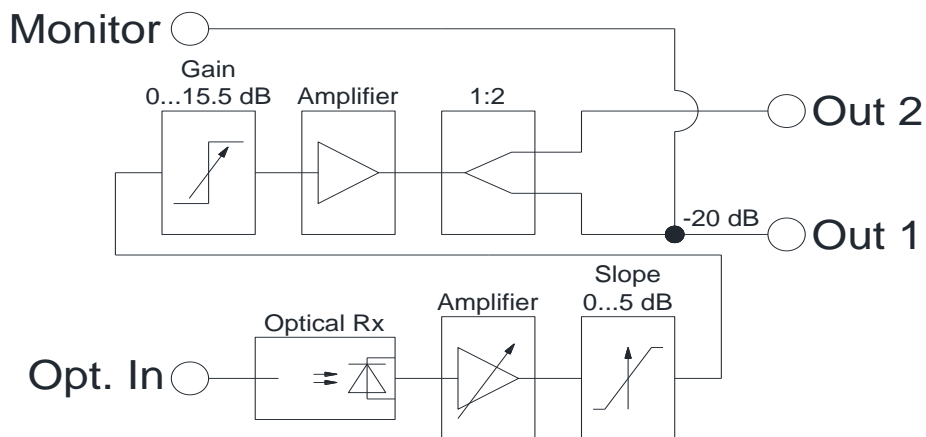


# DEV 3550/MAE - MODULO Optical Upstream Receiver



### Features:

- ▀ Module 2.5 RU; 2 Slots
- ▀ 2 RF Outputs at the Rear
- ▀ Optical Input at the Front
- ▀ Automatic Level Control for wide optical Input Power Range to improve BER Performance
- ▀ Monitor Port at the Front
- ▀ Local Control of Gain and Slope



## Technical Data DEV 3550/MAE

	Value	Condition
<b>Optical Specification</b>		
Wavelength	1100...1650 nm	
Optical Input Power	-20...+2 dBm	
Optical Connector	SC/APC, E2000/HRL, or FC/APC	Standard is SC/APC
Optical Return Loss	>40 dB, typ. 50 dB	
<b>RF Specification</b>		
Frequency Range	5...204 MHz	
Impedance	75 Ohm	
Connectors	F (f)	
Variable Gain	15.5 dB	
Adjustable Slope (EQ)	0...5 dB	Notes 1, 2
Maximum Composite Output Level	110 dB $\mu$ V	Note 1
Flatness	$\leq 1.4$ dB $\leq 0.2$ dB	5...204 MHz, Notes 1, 2 In any 8 MHz window above 10 MHz, Note 1
Return Loss Output Ports	$\geq 20$ dB, typ. 25 dB	
Output Monitor Port	-20 $\pm$ 1 dB	Note 1
Flatness Monitor Port	$\leq 2$ dB	Note 1
BER	$\leq 10^{-9}$	Notes 1, 4
<b>General Specification</b>		
Operating Voltage	24 VDC	
Power Consumption	$\leq 8$ W	
Environmental Conditions	ETS 300019 Part 1-3 Class 3.1	
Operating Temperature	0...50 °C (32...122 °F)	
Storage Temperature	-40...+70 °C (-40...+158 °F)	
Storage Humidity	5...95 %	Non-condensing
Noise Immunity & Radiated Disturbance	EN 50083-2	

Note 1: Unused ports terminated with 75 Ohms

Note 2: Optical input power 0 dBm

Note 1: Maximum output level 96 dB $\mu$ V/Ch or composite 110 dB $\mu$ V. Full 24 channel load

Note 4: Full channel load as per standard DIN EN 60728-3. 24 \* QAM 256 channels, 6.9 MSymb/s and 8 MHz channel spacing. Optical input power >-14 dBm

## Order Information

Product	
DEV 3550/MAE	MODULO Optical Upstream Receiver; 5...204 MHz; SC/APC - 75 Ohm, F (f); Monitor Port, MGC and Adjustable Slope, 2.5 RU

## Contact

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Technical specifications are subject to change