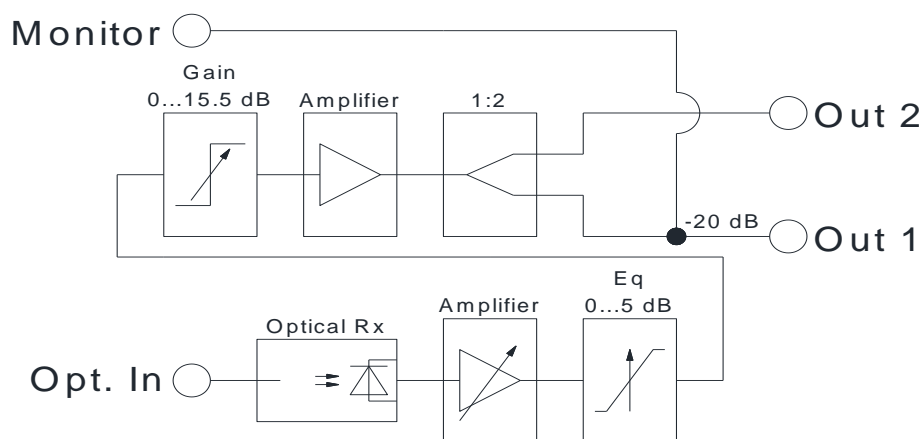


DEV 3550/MAE - MODULO Optical Upstream Receiver



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
Optical Specification		
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	
RF Specification		
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 μ V	Note 1
Flatness	\leq 1.4 dB \leq 0.3 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
General Specification		
Operating Voltage	24 VDC	
Power Consumption	\leq 8 W	
Size	1.57" (40 mm) Width, 2.5 RU (110 mm) Height, 8.86" (225 mm) Depth	
Weight	\sim 1.6 kg	
Environmental Conditions	ETS 300019 Part 1-3 Class 3.1E	
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 μ V/Ch or composite 110 dB μ 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

Optical Connector Options	
Option 07	FC/APC Optical Connector
Option 08	E2000/HRL Optical Connector

Contact

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Technical specifications are subject to change