

Optribution Advanced Link 50...2000 MHz DEV 7261 & DEV 7361



The final product may vary from the above image depending on the options selected.

Products

- | | |
|-----------------|--|
| DEV 7261 | Optribution Transmitter; 50...2000 MHz; SC/APC; 1550 nm |
| DEV 7361 | Advanced Optribution Receiver; 50...2000 MHz; SC/APC; with adjustable Gain and Slope |

Features

- Optimized for 50...2000 MHz Signal Transmission over Fiber
- RF Sensing Feature for Optical Transmitter (Tx) Module and Optical Receiver (Rx) Module
- RF Monitoring Port for Tx and Rx Module
- Adjustable Gain and Slope Feature for Rx Module
- Available Wavelength Options for CWDM Applications
- Optical Connector Type SC/APC (optional FC/APC or E2000 HRL)

Link Specifications DEV 7261 & DEV 7361

	Value	Condition
Frequency Range	50...2000 MHz	
Max. Link Gain	15±3 dB	
Adjustable Gain (Rx Module)	0...15 dB ±0.5 dB in 1 dB Steps	
Adjustable Slope (Rx Module)	0...4 dB in 1 dB Steps	
Flatness	±1.5 dB ±0.2 dB	50...2000 MHz In any 8 MHz window
Return Loss	min. 14 dB, typ. 16 dB	
Gain Stability	±2.0 dB	0...+50 °C / 32...122 °F
Group Delay Distortion	<2 ns	Note 2, 3
Nominal RF Input Level	-10 dBm	Aggregated power
Noise Figure	<32 dB	
SFDR _{2/3}	108 dB/Hz ^{2/3}	
CNR	50 dB	Note 1, 2, 3
Output IP ₃	>21 dBm >26 dBm	RX Gain 0 dB RX Gain 15 dB
OP _{1dB}	>7 dBm >18 dBm	RX Gain 0 dB RX Gain 15 dB
Input Power dynamic Range	-60...0 dBm	Aggregated power
Damage RF Input Level	15 dBm	Aggregated power

Note 1: P_{in} = -20 dBm

Note 2: 8 MHz window

Note 3: with back to back fiber connection (2 m) and minimum noise figure

Technical Data DEV 7261 & DEV 7361

	Value	Condition
Common Optical Specifications		
Fiber Type	Single Mode 9/125 μ m	
Optical Connector	SC/APC, E2000/HRL, or FC/APC	Standard is SC/APC
Tx Specifications (DEV 7261)		
Laser Type	DFB	
Laser Class (according to IEC 60 825-1)	Class 1M (low Risk to Eyes, no Risk to Skin)	
Optical Power Output	3.5 mW / 5.4 dBm	
Available CWDM Wavelengths	1550 nm $\pm$ 10 nm standard, 9 different Wavelengths available	Note 1
Power Consumption	12 V; 200 mA	without LNB power
Weight	~0.5 kg	
Rx Specifications (DEV 7361)		
Wavelength Range	1100...1650 nm	
Min. optical Input Level (optical Sensitivity)	>-15 dBm	
Damage optical Input Level	+10 dBm	
Power Consumption	12 V; 200 mA	
Weight	~0.3 kg	
Tx & Rx RF Sensing		
Adjustable Threshold Level (THL)	0 dBm > THL > -50 dBm	
Threshold Repeatability	<0.1 dB	
Alarm Indication	Via LED on the Front Panel & via Remote Communication	
Tx & Rx General Specification		
Size	4 HP (20 mm) Width, 3 RU (133 mm) Height, 3.94" (100 mm) Depth	
Environmental Conditions	ETS 300019 Part 1-3 Class 3.1E	

Note 1: Please refer to the Order Information section for the available wavelength options

Order Information

Products				
DEV 7261	Optribution Transmitter; 50...2000 MHz; SC/APC; 1550 nm			
Wavelength Options:				
	<u>Option</u>	<u>Wavelength</u>	<u>Option</u>	<u>Wavelength</u>
	Lambda 0	1310 nm ±10 nm	Lambda 5	1550 nm ±10 nm (standard)
	Lambda 1	1470 nm ±10 nm	Lambda 6	1570 nm ±10 nm
	Lambda 2	1490 nm ±10 nm	Lambda 7	1590 nm ±10 nm
	Lambda 3	1510 nm ±10 nm	Lambda 8	1610 nm ±10 nm
	Lambda 4	1530 nm ±10 nm		
DEV 7361	Advanced Optribution Receiver; 50...2000 MHz; SC/APC; with adjustable Gain and Slope			

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

Contact

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