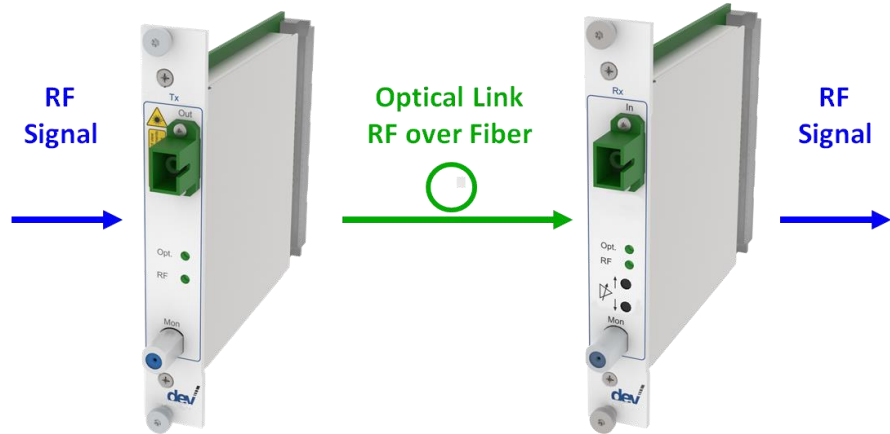


Optribution Advanced Link 50...2000 MHz DEV 7261 & DEV 7361



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 | 23±3 dB | |
| Adjustable Gain (Rx Module) | 0...15 dB ±0.5 dB in 1 dB Steps | |
| Adjustable Slope (Rx Module) | 0...10 dB in 1 dB Steps | |
| Flatness | ±1.5 dB ±0.2 dB | 50...2000 MHz In any 8 MHz window |
| Return Loss | >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 | <26 dB | |
| SFDR _{2/3} | 110 dB/Hz ^{2/3} | |
| CNR | 64 dB | Note 1, 2, 3 |
| Output IP3 | >18 dBm | |
| OP1dB | >+7 dBm | |
| Intermodulation Distortion | >60 dBc | @ 2 tones, -13 dBm each |
| Input Power dynamic Range | -58...+1 dBm | Aggregated power |
| Damage RF Input Level | 24 dBm | Aggregated power |

Note 1: $P_{in} = -15$ 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 | 2 mW / 3.0 dBm | |
| Available CWDM Wavelengths | 1550 nm \pm 10 nm standard, 9 different Wavelengths available | Note 1 |
| Power Consumption | 15 V; 200 mA | |
| Weight | ~0.5 kg | |
| Rx Specifications (DEV 7361) | | |
| Wavelength Range | 1100...1650 nm | |
| Min. optical Input Level (optical Sensitivity) | <-22 dBm | |
| Damage optical Input Level | +10 dBm | |
| Power Consumption | 15 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: | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th>Option</th> <th>Wavelength</th> <th>Option</th> <th>Wavelength</th> </tr> </thead> <tbody> <tr> <td>Lambda 0</td> <td>1310 nm ±10 nm</td> <td>Lambda 5</td> <td>1550 nm ±10 nm (standard)</td> </tr> <tr> <td>Lambda 1</td> <td>1470 nm ±10 nm</td> <td>Lambda 6</td> <td>1570 nm ±10 nm</td> </tr> <tr> <td>Lambda 2</td> <td>1490 nm ±10 nm</td> <td>Lambda 7</td> <td>1590 nm ±10 nm</td> </tr> <tr> <td>Lambda 3</td> <td>1510 nm ±10 nm</td> <td>Lambda 8</td> <td>1610 nm ±10 nm</td> </tr> <tr> <td>Lambda 4</td> <td>1530 nm ±10 nm</td> <td></td> <td></td> </tr> </tbody> </table> | Option | Wavelength | Option | Wavelength | 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 | | |
| Option | Wavelength | Option | Wavelength | | | | | | | | | | | | | | | | | | | | | | |
| 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 |

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