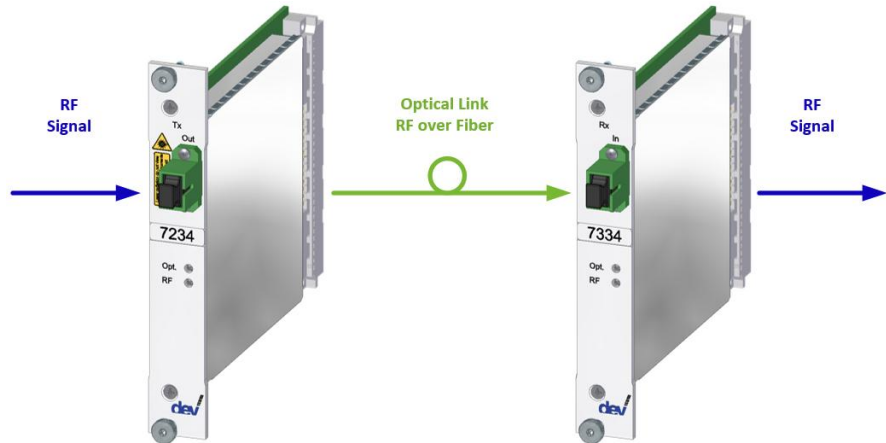


Optribution 6 GHz Link DEV 7234 & DEV 7334



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

Products:

- DEV 7234** Optribution Transmitter; 50...6000 MHz;
50 Ohm, SMA (f); SC/APC
- DEV 7334** Optribution Receiver; 50...6000 MHz;
SC/APC; 50 Ohm, SMA (f)

Features:

- Frequency Range 50...6000 MHz
- Adjustable Tx Gain
- Wavelength 1310 nm (optional 1550 nm)
- RF Sensing with Status LED
- Optical Connector Type SC/APC (optional FC/APC)

Link Specifications DEV 7234 & DEV 7334

	Value	Condition
Frequency Range	50...6000 MHz	
Nominal Link Gain	4±2 dB	
Adjustable Gain (Tx Module)	-15...10 dB in 0.5 dB Steps	
Flatness	±2.0 dB	50...6000 MHz
Return Loss	Min. 6 dB, typ. 10 dB	
Gain Stability	±2 dB	@ 0...+50 °C / 32...122 °F
Group Delay	<2 ns	
Nominal RF Input Level	-15 dBm	Aggregated power
Noise Figure	<25 dB <14 dB	TX Module Gain 0 dB; Note 1 TX Module Gain 10 dB; Note 1
SFDR _{2/3}	108 dB/Hz ^{2/3}	
Output IP3	>18 dBm	Note 1
OP1dB	>5 dBm	Note 1
Input Power Dynamic Range	-70...0 dBm	Aggregated power
Damage RF Input Level	15 dBm	Aggregated power
Optical Budget	15 dB	Note 2

Note 1: Measured at 3GHz

Note 2: At nominal input level

Technical Data DEV 7234 & DEV 7334

	Value	Condition
Common Optical Specifications		
Fiber Type	(Single Mode 9/125 μm)	
Optical Connector	SC/APC or FC/APC	Standard is SC/APC
Tx Specifications (DEV 7234)		
Laser Type	(DFB)	
Laser Class (according to IEC 60 825-1)	Class 1M (low Risk to Eyes, no Risk to Skin)	
Optical Power in the Fiber	3.5 mW / 5.4 dBm	
Available Wavelengths	1310 nm or 1550 nm	Standard is 1310 nm
Power Consumption	12 V / 200 mA	without LNB power
Rx Specifications (DEV 7334)		
Wavelength Range	1100...1650 nm	
Min. optical Input Level (Optical Sensitivity)	-15 dBm	
Damage optical Input Level	10 dBm	
Power Consumption	12 V; 250 mA	
Tx & RF Sensing		
Adjustable Threshold Level	0 dBm > Threshold > -50 dBm	
Threshold Level Accuracy	± 3 dB	
Threshold Repeatability	<0.1 dB	
Tx & Rx RF Specifications		
Impedance, Connector	50 Ohm, SMA (f)	
Tx & Rx General Specification		
Alarm Indication	Via LED on the Front Panel & via Remote Communication	
Size	4 HP (40 mm) Width, 3 RU (133 mm) Height, 3.94" (100 mm) Depth	
Operating Temperature	-20...+70 $^{\circ}\text{C}$ (-4...+158 $^{\circ}\text{F}$)	
Storage Temperature	-40...+85 $^{\circ}\text{C}$ (-40...+185 $^{\circ}\text{F}$)	
Environmental Conditions	ETS 300019 Part 1-3 Class 3.1E	

Order Information

Products							
DEV 7234	Optribution Transmitter; 50...6000 MHz; 50 Ohm, SMA (f); SC/APC						
Wavelength Options:							
	<table border="1"> <thead> <tr> <th>Option</th> <th>Wavelength</th> </tr> </thead> <tbody> <tr> <td>Lambda 0</td> <td>1310 nm (standard)</td> </tr> <tr> <td>Lambda 5</td> <td>1550 nm</td> </tr> </tbody> </table>	Option	Wavelength	Lambda 0	1310 nm (standard)	Lambda 5	1550 nm
Option	Wavelength						
Lambda 0	1310 nm (standard)						
Lambda 5	1550 nm						
DEV 7334	Optribution Receiver; 50...6000 MHz; SC/APC; 50 Ohm, SMA (f)						
Optical Connector Options							
Option 07	FC/APC Optical Connector						

Contact

DEV Systemtechnik GmbH
 Grüner Weg 4A
 61169 Friedberg
 GERMANY
 Phone: +49 6031 6975 100
 Fax: +49 6031 6975 114
 info@dev-systemtechnik.com
 www.dev-systemtechnik.com

Rev. 17-Jun-2025

Disclaimer

The information contained herein is believed to be reliable. DEV Systemtechnik makes no warranties regarding the information contained herein. DEV Systemtechnik assumes no responsibility or liability whatsoever for any of the information and for the use of the information contained herein. The information contained herein is provided "AS IS" and with all faults, and the entire risk associated with such information is entirely with the user. All information contained herein is subject to change without notice. Customers should obtain and verify the latest relevant information before placing orders.