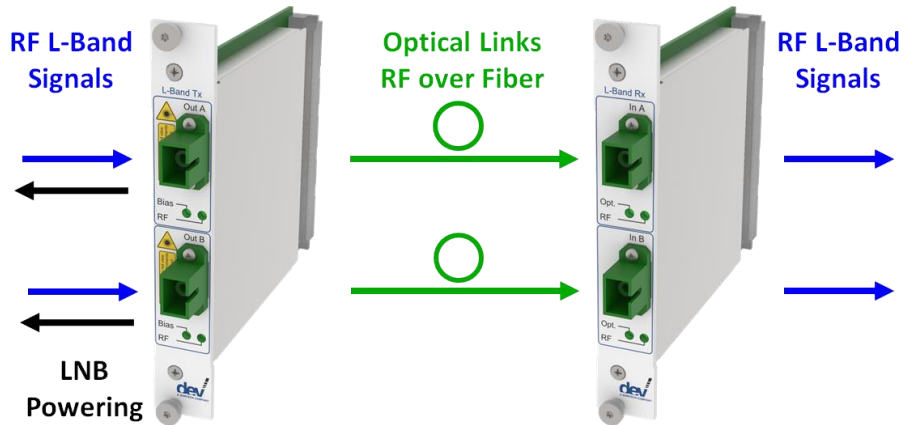


## Optribution® Basic Twin L-Band Link DEV 7241 & DEV 7341



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

### Products:

- DEV 7241** Basic Twin Optribution® Transmitter; 950...2150 MHz; SC/APC
- DEV 7341** Basic Twin Optribution® Receiver; 950...2150 MHz; SC/APC

### Features:

- ▀ Two Transmitters or Receivers per Module
- ▀ Recommended for RF-over-Fiber Links with optical Losses up to 10 dB
- ▀ Fixed Gain
- ▀ RF Sensing with Status LED
- ▀ LNB Power with Current Monitoring and Status LED
- ▀ Optical Connector Type SC/APC (optional FC/APC or E2000 HRL)

### Link Specifications DEV 7241 & DEV 7341

	Value	Condition
Frequency Range	950...2150 MHz	
Max. Link Gain	4±3 dB	
Flatness	±1.5 dB ±0.2 dB	950...2150 MHz In any 36 MHz window
Return Loss	>14 dB, typ. 16 dB	
Gain Stability	±2 dB	0...+50 °C / 32...122 °F
Group Delay Distortion	<2 ns	
Nominal RF Input Level	-10 dBm	Total power
Noise Figure	24 dB	
SFDR <sub>2/3</sub>	107 dBc	Note 1
CNR	59 dB	Notes 2, 3, 4
Output IP3	16 dBm	
OP1dB	-1 dBm	
Intermodulation Distortion	>40 dBc	@ 2 tones, -13 dBm each
Input Power dynamic Range	-45...-6 dBm	Total power
Damage RF Input Level	12 dBm	Total power
Maximum allowable optical Losses	23 dB	

Note 1:  $P_{in} = -15$  dBm, IM3 = 48 dBc

Note 2:  $P_{in} = -15$  dBm

Note 3: 36 MHz window

Note 4: with back to back fiber connection (2 m) and minimum noise figure

**Technical Data DEV 7241 & DEV 7341**

	Value	Condition
<b>Common Optical Specifications</b>		
Fiber Type	Single Mode 9/125 μm	
Optical Connector	SC/APC, E2000/HRL, or FC/APC	Standard is SC/APC
<b>Tx Specifications (DEV 7241)</b>		
Laser Type	DFB	
Laser Class (according to IEC 60 825-1)	Class 1M (low Risk to Eyes, no Risk to Skin)	
Optical Power Output	1 mW / 0 dBm	
Power Consumption	15 V; 400 mA	Without LNB power
Weight	~0.5 kg	
<b>Tx LNB Power &amp; Current Monitoring</b>		
LNB Power	18+0/-3 V; max. 500 mA	
Alarm Indication	Via LED on the Front Panel & via Remote Communication	
<b>Rx Specifications (DEV 7341)</b>		
Wavelength Range	1100...1650 nm	
Min. optical Input Level (optical Sensitivity)	-22 dBm	
Damage optical Input Level	+10 dBm	
Power Consumption	15 V; 400 mA	
Weight	~0.3 kg	
<b>Tx &amp; Rx RF Sensing</b>		
Adjustable Threshold Level (THL)	0 dBm > THL > -50 dBm (Factory Setting: -30 dBm )	
Threshold Level Accuracy	±3 dB	
Threshold Repeatability	<0.5 dB	
Alarm Indication	Via LED on the Front Panel & via Remote Communication	
<b>Tx &amp; Rx General Specification</b>		
Size	4 HP (20 mm) Width, 3 RU (133 mm) Height, 3.94" (100 mm) Depth	
Environmental Conditions	ETS 300019 Part 1-3 Class 3.1	

## Order Information

Products	
DEV 7241	Basic Twin Optribution® Transmitter; 950...2150 MHz; SC/APC
DEV 7341	Basic Twin Optribution® Receiver; 950...2150 MHz; SC/APC

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*