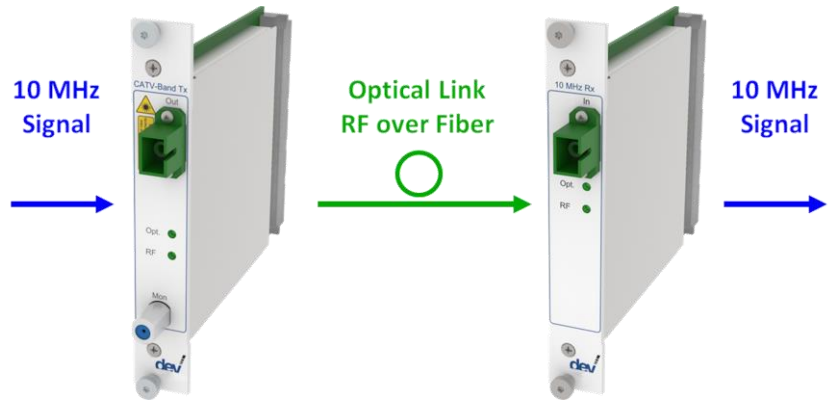


## Optribution 10 MHz Link DEV 7238 & DEV 7335



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

### Products:

**DEV 7238** UHF/VHF Optribution Transmitter; 10, 47...1006 MHz;  
SC/APC; 1550 nm

**DEV 7335** Reference Optribution Receiver; 10 MHz; SC/APC

### Features:

- ▀ Optimized for 10 MHz Reference Signal Transmission
- ▀ RF Sensing Feature for Optical Transmitter (Tx) Module and Optical Receiver (Rx) Module
- ▀ RF Monitoring Port for Tx Module
- ▀ Available Wavelength Options for CWDM Applications
- ▀ Optical Connector Type SC/APC (optional FC/APC or E2000 HRL)

### Link Specifications DEV 7238 & DEV 7335

	Value	Condition
Frequency Range	10 MHz	
Max. Link Gain	13±3 dB	
Return Loss	>8 dB, typ. 14 dB	
Gain Stability	±1.5 dB	0...+50 °C / 32...122 °F
Nominal RF Input Level	-10 dBm	Aggregated power
Noise Figure	<28 dB	Notes 2, 3
CNR	68 dB	Notes 1, 2, 3
OP1dB	>8 dBm	
Recommended Output Power	2 dBm	
Harmonic Distance	20 dBc 38 dBc	@ OP1dB @ recommended output power
IP1dB	-7 dBm	
Input Power dynamic Range	-73...-2 dBm	Aggregated power
Damage RF Input Level	24 dBm	Aggregated power

Note 1:  $P_{in} = -15$  dBm

Note 2: 2 MHz window

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

### Technical Data DEV 7238 & DEV 7335

	Value	Condition
<b>Common Optical Specifications</b>		
Fiber Type	Single Mode 9/125 $\mu$ m	
Optical Connector	SC/APC, E2000/HRL, or FC/APC	Standard is SC/APC
<b>Tx Specifications (DEV 7238)</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	3 mW / 4.8 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	
<b>Tx Monitor Port</b>		
Impedance, Connector	75 Ohm, F (f)	
Return Loss	>16 dB typ.	
Insertion Loss / Flatness Monitor Port	= Input Level – 20 $\pm$ 2 dB	
<b>Rx Specifications (DEV 7335)</b>		
Wavelength Range	1100...1650 nm	
Min. optical Input Level (optical Sensitivity)	<-22 dBm	
Damage optical Input Level	+10 dBm	
Power Consumption	15 V; 150 mA	
Weight	~0.3 kg	
<b>Tx &amp; Rx RF Sensing</b>		
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	
<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 3.1E	

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

## Order Information

Products			
DEV 7238	UHF/VHF Optribution Transmitter; 10, 47...1006 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 7335	Reference Optribution Receiver; 10 MHz; SC/APC		

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

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*Technical specifications are subject to change*