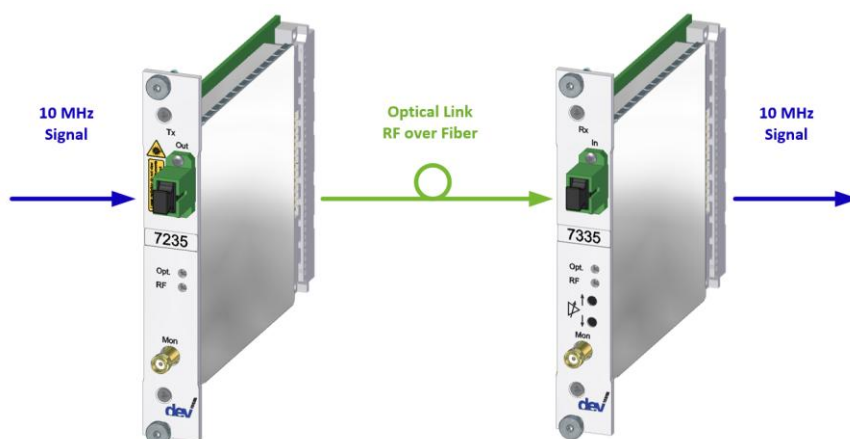


Optribution 10 MHz Link DEV 7235 & DEV 7335



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

Products:

DEV 7235 Reference Optribution Transmitter; 10 MHz; SC/APC

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

Features:

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

Link Specifications DEV 7235 & DEV 7335

	Value	Condition
Frequency Range	10 MHz	
Max. Link Gain	0±1 dB	
Adjustable Gain (Rx Module)	0...5 dB ±0.5 dB in 1 dB Steps	
Return Loss	>9 dB	
Gain Stability	±1 dB	0...+50 °C / 32...122 °F
Nominal RF Input Level	-3 dBm	Aggregated power
Phase Noise	1 Hz <-115 dBc/Hz 10 Hz <-130 dBc/Hz 100 Hz <-140 dBc/Hz 1 kHz <-140 dBc/Hz 10 kHz <-140 dBc/Hz 100 kHz <-140 dBc/Hz 1 MHz <-140 dBc/Hz	
CNR	>80 dB	Notes 1, 2
OP1dB	>10 dBm	
Harmonic Distance	38 dBc	@ nominal RF input level
Damage RF Input Level	20 dBm	Aggregated power

Note 1: $P_{in} = -3 \text{ dBm}$

Note 2: with back to back fiber connection (2 m)

Technical Data DEV 7235 & DEV 7335

	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 7235)		
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	
Wavelength	1550 nm $\pm$ 10 nm	
Power Consumption	12 V; 200 mA	
Weight	~0.5 kg	
Rx Specifications (DEV 7335)		
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	
Weight	~0.3 kg	
Tx & Rx Monitor Port		
Impedance, Connector	50 Ohm, SMA (f)	
Return Loss	>20 dB typ.	
Insertion Loss / Flatness Monitor Port	= Input Level – 25 dB $\pm$ 2 dB (Tx) = Output Level – 25 dB $\pm$ 2 dB (Rx)	
Tx & Rx RF Sensing		
Dynamic Range	-25...+5 dBm	
Adjustable Threshold Level (THL)	+5 dBm > THL > -25 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	

Order Information

Products	
DEV 7235	Reference Optribution Transmitter; 10 MHz; SC/APC
DEV 7335	Reference Optribution Receiver; 10 MHz; SC/APC

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

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