DEV 7241/7341

OPTRIBUTION BASIC TWIN L-BAND LINK

- Zwei Transmitter oder Receiver pro Modul
- Empfohlen für RF-over-Fiber Links mit optischem Verlust bis zu 10 dB
- Fixe Verstärkung
- HF-Erkennung mit Status LED
- LNB Power mit Strom-Überwachung und Status LED
- Optische Anschlüsse: SC/APC (optional FC/APC oder E2000 HRL)

LINK SPEZIFIKATIONEN

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	
SFDR2/3	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: Pin = -15 dBm, IM3 = 48 dBc
Note 2: Pin = -15 dBm
Note 3: 36 MHz window
Note 4: with back to back fiber connection (2 m) and minimum noise figure

TECHNISCHE DATEN DEV 7241 & DEV 7341

COMMON OPTICAL SPECIFICATIONS	VALUE	CONDITION
Fiber Type	Single Mode 9/125 µm	
Optical Connector	SC/APC, E2000/HRL, or FC/APC	Standard is SC/APC
TX SPECIFICATIONS (DEV 7241)		
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	
TX LNB POWER & CURRENT MONITORING		
LNB Power	18+0/-3 V; max. 500 mA	
Alarm Indication	Via LED on the Front Panel & via Remote Communication	
RX SPECIFICATIONS (DEV 7341)		
Wavelength Range	1100…1650 nm	

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Min. optical Input Level (optical Sensitivity)	-22 dBm	
Damage optical Input Level	+10 dBm	
Power Consumption	15 V; 400 mA	
Weight	~0.3 kg	
TX & RX RF SENSING		
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	
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 3.1	

BESTELLINFORMATIONEN

PRODUCT	
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

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