



SPINNER's new "Analog Fiber Optic Links" offer highest performance at very competitive prices.

The optical transmitters are equipped alternatively with DFB type or FP type Laser. Available are transceivers and single transmitter and receiver devices.

Suitable for the following standards:

Broadcast	- DVB-H, T-DMB, FM, DAB
Wireless Services	- GSM 900/1800, UMTS, W-CDMA, LTE
Public Services	- TETRA
Hot Spots	- WLAN @ 2400MHz
Sat Services	- L-Band, ZF

Typical applications:

Road and railway tunnels,
Basement and underground parking areas
Corporate buildings, hotels
Airports, railway stations, fairgrounds, malls

System Specifications

Sender / Transmitter Empfänger / Receiver	BN 52 89 82 BN 52 89 84		BN 52 89 83 BN 52 89 84	
Transceiver	BN 52 89 80		BN 52 89 81	
Wellenlänge Wavelength	1310 nm, DFB type 1200 ... 1600 nm, Receiver		1310 nm, FP type 1200 ... 1600 nm, Receiver	
3 dB Bandbreite 3 dB Bandwidth	50 MHz ... 2400 MHz			
Welligkeit Flatness (850 MHz ... 950 MHz)	± 0.3 dB		± 0.35 dB	
Welligkeit Flatness (1700 MHz ... 1900 MHz)	± 0.5 dB		± 0.6 dB	
System Gewinn System Gain @ 900 MHz	5 dB ± 3 dB		2 dB ± 3 dB	
HF-Eingangsspegel RF-Input Power	0 dBm nom.; +3 dBm max.			
Äquivalente Eingangsrauschleistung Equivalent Input Noise (ON)	< -140 dBm/Hz		< -120 dBm/Hz (50...400 MHz) < -125 dBm/Hz (400...750 MHz) < -130 dBm/Hz (750...2400 MHz)	
Intermodulation 3. Ordnung Intermodulation 3 (IICP3)	> + 27 dBm		> + 22 dBm	
Isolation Sender auf Empfänger Isolation Transmitter to Receiver	≤ -90 dB ≤ -95 dB typ.	-	≤ -90 dB ≤ -95 dB typ.	-
Versorgungsspannung / Strom Power Supply Voltage / Current	11 V _{DC} ... 17 V _{DC} / 0.4 A			
Betriebstemperatur Operating Temperature	-10 °C ... +45 °C			
HF-Stecker RF-Ports	SMA female; 50 Ω ; VSWR < 2			
Fasertyp, Stecker Fiber, Connector	SM 9/125, SC/APC			