

WISI LX 10 S BJ03

Optischer Sender mit hoher Leistung



Kurzbeschreibung

The S-type series transmitters are designed to be the most versatile model within the WISI LX10 series family. They can easily be configured to meet most HFC network solutions requiring link lengths in the range of 50 to 70 kilometers with one EDFA as well as links utilizing multiple EDFA's. The WISI LX10 series product line is a family of state-of-the-art high performance 1550 nm externally modulated CATV fiber optic transmitters optimized for varying network applications. Packaged in a convenient 1RU housing, this line of optical transmitters couples high optical output powers, up to 11.0 dBm, with low optical linewidth resulting in unmatched performance. The optical modulator, combined with proprietary predistortion circuitry, provides superior CTB and CSO performance with SBS suppression levels of greater than 20 dBm. Advanced features such as built in field adjustable SBS control and electronic dispersion compensation allows these transmitters to be quickly optimized in the field for any link or application without the need to procure specifically tuned transmitters. This affords the system designer a level of flexibility previously unknown in the CATV market place.

Auf einen Blick:

- Zwei optische Ausgänge
- Vor Ort einstellbare SBS-Unterdrückung
- External modulated transmitter
- Redundant & hot swappable power supplies
- Management via web interface and SNMP
- Field adjustable SBS suppression

WISI Communications GmbH & Co. KG

Empfangs- und Verteiltechnik
Wilhelm-Sihn-Str. 5-7
75223 Niefern-Oeschelbronn, Germany

Inland: Telefon +49 7233 66-0, Fax -320
Export: Telefon +49 7233 66-0, Fax -350
E-Mail: info@wisi.de

Technische Änderungen und Druckfehler vorbehalten. 8. Juni 2016, 11:37 vorm.

Technische Daten

| | |
|--|--|
| Wellenlänge | ITU ch. 27 |
| Verbindungslänge | max. 100 km (in Kombination mit weiteren EDFA) |
| Optische Ausgangsleistung | 2x +10 dBm |
| SBS-Unterdrückung | ≥ 16,0 dBm |
| Träger-Rausch-Verhältnis | ≥ 53,0 dB |
| Signal performance (37 analog, 50 digital) CSO/CTB | ≥ 70,0 dBc |
| Eingangspegel | 78 / 87 dBμV (PAL-Level/SAT-HF) |
| Front Panel HF Verstärkung/OMI Verstellbereich | +2/-4 dB (from nominal setting) |
| CATV Frequenzbereich | 47...1006 MHz |
| CATV flatness | ± 0.50 dB (47 MHz ... 550 MHz), ± 0.75 dB (47 MHz ... 1006 MHz) |
| CATV elektrische Rückflussdämpfung | ≥ 16 dB (47...1006 MHz) |
| CATV HF Testbuchse | -20 dB (± 1 dB) |
| Allgemeine Daten | |
| optische Anschlüsse | Hinten: SC/APC |
| EMV | EN50083-2 |
| Sicherheitsstandards | IEC 60950-1; IEC 60728-11; Laser IEC 60825-2 |
| Betriebstemperaturbereich | 0...50 °C (ETSI EN 300 019-1-3 Class 3.2) |
| Versorgungsspannung | 48 V DC, DC primary, DC secondary |
| Leistungsaufnahme | ≤ 65 W |
| Abmessungen (BxHxT) | 483 x 45 x 381 mm |
| CNR Testkonfiguration | EDFA: 16 dBm, Link: 65 km, Empfangsleistung: 0 dBm |

Verpackungsdaten

| | |
|-------------------------------------|-----------------|
| Verkaufseinheit | St. |
| Abmessungen (BxHxT) Verkaufseinheit | mm |
| Verpackungsvolumen Verkaufseinheit | dm ³ |
| Bruttogewicht Verkaufseinheit | kg |
| Versandeinheit | St. |
| Abmessungen (BxHxT) Versandeinheit | mm |
| Verpackungsvolumen Versandeinheit | dm ³ |
| Bruttogewicht Versandeinheit | kg |
| EAN | 4010056729752 |
| Artikelnummer | 72975 |
| Zolltarifnummer | 85176200 |

LX 10 X x x x x

Power supply:

- 1 – AC primary, AC secondary
- 2 – AC primary, DC secondary
- 3 – DC primary, DC secondary
- 5 – AC primary, no secondary
- 6 – DC primary, no secondary

Output:

- 0 – Rear SC/APC
- 2 – Rear E2000/APC
- 3 – Rear LC/APC
- 6 – Front SC/APC
- 7 – Front E2000/APC
- 8 – Front LC/APC

Wavelength:

- 0 – 1555 +/- 5 nm
- 1 – 1550 +/- 5 nm (standard)
- A – ITU ch. 18
- B – ITU ch. 19
- ...
- W – ITU ch. 40

Output power:

- 7 - 2x 7 dBm
- 8 - 2x 8 dBm
- B - 2x 10 dBm

Transmitter type:

- K
- S
- L
- P - Power supply