

FIBER LINE optical transmitters



LT 54 S 1000

DFB laser transmitter



- Optical transmitter for WISI TOPLINE HEADEND
- Input frequency range 5-862 MHz
- Wavelength 1310 nm
- NMS via headend controller OV 51S or remote interface OV 52
- LASER CLASS 1 M

RF parameters

Input frequency range	5-862 MHz
Input level (42 channels)	88 dB μ V \pm 4 dB
C/N for 42 channels, opt., link=10 dB@LT54 1000	> 53 dB
CSO for 42 channels CENELEC	> 64 dB
CTB for 42 channels CENELEC	> 67 dB
Test socket	- 20 dB

Optical parameters

Laser type	cooled isolated DFB laser
Wavelength	1310 nm \pm 20 nm
Optical output power	LT 54S 1000 10 mW (10 dBm) LT 54S 1600 16 mW (12 dBm)

NMS functions

Monitoring

Laser bias
Laser temperature
Laser output power
Level adjustment
Tec-Strom
RF power at laser

General data

Housing	Zinc die-cast
Connectors	RF F-type optical SC/ APC, E2000 on request!
Dimensions	30x260x200 mm
Operating temperature	-10°C...+55°C
Storage temperature	-25°C...+75°C
Max. humidity, non condensing	95%
EMC	CE, Class A
Packing unit	1 piece, 4.6 dm ³ , 2.2 kg

