

WISI Optopus Externally Modulated CCTV + SAT Transmitter 20MM-LX10L8001

Features and Benefits

- » Externally Modulated CATV/Satellite Optical Transmitter suitable for use with high power EDFA
- » Dual optical outputs +8dBm with optical wavelength 1555nm (± 1 nm)
- » Management via web interface and SNMP
- » CATV 47-1006Mhz, Satellite 950-2800Mhz
- » Redundant & hot swap-able power supplies
- » Field adjustable SBS suppression



20MM-LX10L8001 Specifications

Wave length	1555 nm (± 1 nm)
Specified link length	25 km (in combination with additional EDFA)
Optical output power	2x +8 dBm
SBS suppression	$\geq 14,0$ dBm
Carrier to noise ratio	$\geq 51,0$ dB
Signal performance (37 analog, 50 digital) CSO/CTB	$\geq 70,0$ dBc
Input level	78 / 87 dB μ V (PAL-Level/SAT-IF)
Front panel RF gain/OMI adjustment range	+2/-4 dB (from nominal setting)
CATV frequency range	47...1006 MHz
CATV flatness	± 0.50 dB (47 MHz ... 550 MHz), ± 0.75 dB (47 MHz ... 1006 MHz)
CATV electrical return loss	≥ 16 dB (47...1006 MHz)
CATV RF test point	-20 dB (± 1 dB)
SAT-IF frequency range	950...2800 MHz

SAT-IF flatness	± 2 dB
SAT-IF electrical return loss	≥ 10 dB (950...2800 MHz)
SAT-IF test point	7 \pm 62.5 dB μ V/Ch @ 1 % OMI/Ch
General data	
Optical connectors	Rear: SC/APC
EMC	EN50083-2
Safety standards	IEC 60950-1; IEC 60728-11; Laser IEC 60825-2
Operating temperature range	0...50 °C (ETSI EN 300 019-1-3 Class 3.2)
Supply voltage	230 V AC, AC primary, AC secondary
Power consumption	≤ 65 W
Dimensions (width x height x depth)	483 x 45 x 381 mm
CNR test configuration	EDFA: 15 dBm, Link: 25 km, Received Power: 0 dBm