

WISI LX 70

Headend RF amplifier



Description

The LX 70 is an RF amplifier for the Optopus platform. In case of low input signal levels, e.g. due to passive splits, it provides signal amplification on the RF level before connecting any optical transmitter. The LX 70 will fit into the LX50 and LX52 chassis.

At a glance:

- Gain, equalizer, input offset adjustable
- Two RF inputs with high signal isolation
- Output level monitoring and automatic level control (ALC)
- Redundancy option with LX 71
- RF test port for signal alignment

Technical data

Frequency range	5...1006 MHz
Impedance	75 Ω
Return loss	10...85 MHz > 18 dB, 85...1006 MHz > 18 dB (-1 dB/oct.,min 14 dB)
gain BC in	5...25 dB (± 0,5 dB), (0,5 dB step)
Back off NC in to BC in	-6...-21 dB (1 dB-steps)
Noise figure	≤ 6 dB (5...600 MHz) ; ≤ 9 dB (600...1006 MHz)
equalizer	0...6 dB (0,5 dB steps)
Distortion products for CENELEC 42 Ch. @ 105 dBμV flat	CSO ≥ 70 dB, CTB ≥ 70 dB
Distortion products for CENELEC 42 Ch. @ 108 dBμV 6dB slope	CSO ≥ 70 dB, CTB ≥ 70 dB
RF test point output (Coupler)	-20 dB (±0,5 dB)

Management functionality

Gain	5...25 dB
equalizer	0...6 dB
NC input attenuator	0...15 dB
Alarms:	RF output level

General data

RF connectors	F
Supply voltage	12 V
Power consumption	≤ 10 W
EMC	EN50083-2
Operating temperature range	-5...+45 °C (EN300 01 9-1-3 Class 3.2)
Dimensions (width x height x depth)	30 x 133 x 320 mm

Packaging data

Sales unit	1 pcs.
Dimensions (WxHxD) sales unit	133 x 30 x 320 mm
Packaging volume sales unit	1,276 dm ³
Gross weight sales unit	kg
Shipping unit	pcs.
Dimensions (WxHxD) shipping unit	200 x 60 x 440 mm
Packaging volume shipping package	5,280 dm ³
Gross weight shipping unit	1,895 kg
EAN	4010056719524
Article number	71952
Customs tariff number	85176200