

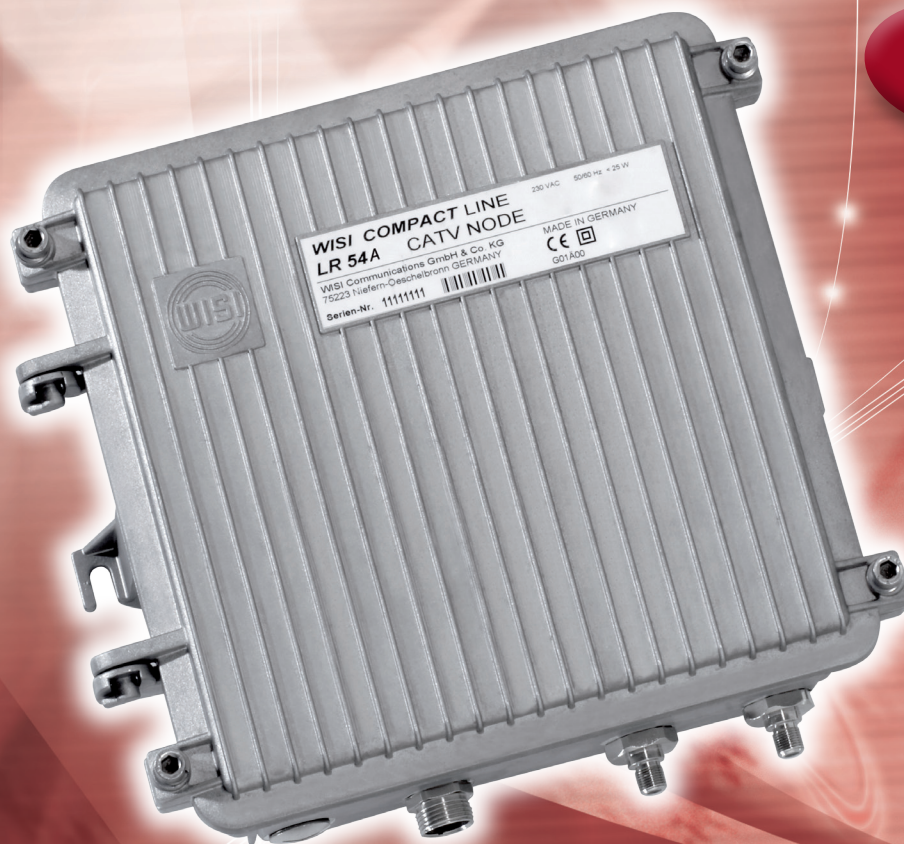
Compact Fiber Node

LR 54 A/AS local feed

LR 55 A/AS remote feed



Product information



1 GHz

Features:

- Compact optical receiver / Transmitter (option)
- All functions controlled via microprocessor
- Upstream transmitter LT4x plugable (option)
- All settings by WISI control unit OK 41A
- Management via HMS (option)
- Fiber management inside

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Compact Fiber Node

LR 54 A/AS local feed
LR 55 A/AS remote feed

| | |
|---|--|
| Downstream incl. receiver module | |
| Wavelength | 1290-1610 nm |
| Opt.Return loss | ≥ 40 dB |
| Fiber | single mode 9/125 μm |
| Optical connector | E-2000 (= A) or SC/APC (= AS) |
| Output impedance | 75 Ohm |
| Output return loss | ≥ 20 dB (-1.5 dB / oct.) |
| Frequency range | 47/85-1006 ¹⁾ MHz |
| Opt. input level | -7 to +3 dBm (with controlled electrical output level) |
| Controlled output level | 112 dBμV (ALC on, 5% OMI) |
| Attenuator range | 0 - 15 dB (step size 0.5 dB) |
| Equalizer range (each output adjustable) | 0 - 15 dB (step size 0.5 dB) |
| Equivalent noise input | < 5 pA √Hz |
| Distorsion products for CENELEC 42 Ch. | 110 dBμV (flat) / 113 dBμV (9 dB slope) |
| CSO, CTB | ≥ 60 dB |
| RF test point | -20 dB |
| Upstream incl. transmitter module | |
| Opt. output power | 3 dBm |
| Frequency range | 10 - 30/ 65 ¹⁾ MHz |
| Broad band RF input | 10-300 MHz (106 dBμV = 5 % OMI) |
| Input return loss | ≥ 18 dB |
| RIN | - LT 41/45 ≤ -145 dB/Hz - LT 40 ≤ -135 dB/Hz |
| Nominal input level | 75 dBμV |
| OMI control range | 3 – 8% @ 75 dBμV input (step size 1 %) |
| ICS | 0 / 8 / >45 dB |
| RF test points laser in | 75 dBμV = 5% OMI |
| Reference pilot | 3.16% OMI |
| General | |
| RF connectors | PG11 |
| Power supply | LR 54 A/AS: 180 –265 VAC; LR 55 A/AS: 27-65 VAC |
| Lightning protection (power supply / RF inputs) | 2 / 6 kV ²⁾ |
| Power consumption | 17 W only RX, max. 25 W |
| Remote power current | < 8 A |
| Ambient temperature | -20°C... +55°C |
| Storage temperature | -25°C...+75°C |
| EMC | EN 50083-2 |
| Protection class | IP 66 |
| Dimensions | 257 x 215 x 100.3 mm |
| | ¹⁾ according to diplex filter |
| | ²⁾ EN 61000-4-5 1,2 / 50 μs pulse |

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