**LINE EXTENDER-/ DISTRIBUTION-AMPLIFIER LHD**

- Prepared for network management system
- 1 GHz Bandwidth, modular return way by diplexer
- Interrupt free electronic adjustment, get it operable without additional accessories
- 7-segment display, simply to adjust by keypad
- Extended up stream bandwidth to 105 MHz to configure by diplexer
- AGC module available
- 2 outputs, IN/OUT connectors in vertical or horizontal position
- Compact alu die-cast housing acc. IP 65, strand mountable
- With FOSTRA-F: IDS 0 / 6 / 45 dB switchable at the return

<table>
<thead>
<tr>
<th>Type</th>
<th>LHD 41</th>
<th>LHD 41 R</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item No.</td>
<td>57002097 LHD 41 (local power)</td>
<td>57002098 LHD 41 R (remote power)</td>
</tr>
<tr>
<td></td>
<td>57002822 LHD 41-1 (Line-OUT)</td>
<td>57002823 LHD 41-1 R (Line-OUT, remote power)</td>
</tr>
</tbody>
</table>

- **Downstream**
  - Frequency range: MHz
  - Gain: dB
  - Linearity: dB
  - Slope: dB
  - 0-point loss: dB
  - Interstage slope: dB
  - Attenuation: dB
  - Interstage attn., slot UPP1: dB
  - Cablesimulation: dB
  - Testpoint input: dB
  - Testpoint output: dB
  - Return loss In/Out: dB
  - Noise: dB
  - Outputlevel 42 Ch, CENELEC, flat dBµV: 110, CTB/CSO > 60 dB
  - Outputlevel 42 Ch, CENELEC, 7dB slope dBµV: 113, CTB/CSO > 60 dB
  
- **Upstream**
  - Frequency range: MHz
  - Gain passive / active: dB
  - Linearity: dB
  - Slope (Output): dB
  - Attenuator (Output): dB
  - Input slot UPP2: dB
  - Ingress Detection Switch: dB
  - Slope frequency point: dB
  - Noise: dB
  - Output-BER at 120 dBµV full load 6 carrier 16 QAM: BER
  - Power supply: V~
  - Power consumption: W
  - Dimensions / Weight: mm / kg
  - Connector: PG 11 thread (connectors excluded)

- FOSTRA-F FSK-RX

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**Specifications**

- **Type**

- **LHD 41**
  - Frequency range: MHz
  - Gain: dB
  - Linearity: dB
  - Slope: dB
  - 0-point loss: dB
  - Interstage slope: dB
  - Attenuation: dB
  - Interstage attn., slot UPP1: dB
  - Cablesimulation: dB
  - Testpoint input: dB
  - Testpoint output: dB
  - Return loss In/Out: dB
  - Noise: dB
  - Outputlevel 42 Ch, CENELEC, flat dBµV: 110, CTB/CSO > 60 dB
  - Outputlevel 42 Ch, CENELEC, 7dB slope dBµV: 113, CTB/CSO > 60 dB

- **LHD 41 R**
  - Frequency range: MHz
  - Gain: dB
  - Linearity: dB
  - Slope (Output): dB
  - Attenuator (Output): dB
  - Input slot UPP2: dB
  - Ingress Detection Switch: dB
  - Slope frequency point: dB
  - Noise: dB
  - Output-BER at 120 dBµV full load 6 carrier 16 QAM: BER
  - Power supply: V~
  - Power consumption: W
  - Dimensions / Weight: mm / kg
  - Connector: PG 11 thread (connectors excluded)

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**AMPLIFIERS 1 GHz**
LINE EXTENDER-/ DISTRIBUTION-AMPLIFIER LHD

Diagram of the LINE EXTENDER-/ DISTRIBUTION-AMPLIFIER LHD with various components and connections.