

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
- With **FOSTRA-F**: IDS 0 / 6 / 45 dB switchable at the return
- 2 outputs, IN/OUT connectors in vertical or horizontal position
- Compact alu-die cast housing acc. IP 65, strand mountable



NEW

■ **FOSTRA-F** FSK-RX

Type		LHD 41	LHD 41 R
Article-No.		5700 2097 (local powered)	5700 2098 (remote powered)
		5-1006 (returnway amplifier 105 MHz fix on board, diplexer modulare)	
Downstream	Frequency range	MHz	5-1006 (returnway amplifier 105 MHz fix on board, diplexer modulare)
	Gain	dB	40, to 30 dB ± 1 switchable
	Linearity	dB	± 0,5
	Slope	dB	0 ... 25, in 1 dB steps adjustment, electronical
	0-point loss	dB	± 0,5, @ 1 GHz, @ 862 MHz switchable
	Interstage slope	dB	0...15, electronic adjustment
	Attenuation	dB	0 ... 20, in 1 dB steps adjustment, electronical
	Interstage attn., slot UPP1	dB	for JXP-PAD's useable
	Cablesimulation	dB	0 / 5 / 10 with jumper switchable
	Testpoint input	dB	-20 ± 1,5 dB, F-connector, internal
	Testpoint output	dB	-20 ± 0,75 dB, F-connector, internal
	Return loss In/Out	dB	18dB @ 40MHz -1,5 dB/Octave
	Noise	dB	typ. 6,5 Tu ≤ 40° C
	Outputlevel 42 Ch, CENELEC, flat	dBµV	112, CSO > 60 dB
Outputlevel 42 Ch, CENELEC, flat	dBµV	112, CTB > 60 dB	
Upstream	Frequency range	MHz	5-105 (to configure with modulare diplexer)
	Gain passive / active	dB	-4,5 / 26
	Linearity	dB	± 0,5
	Slope (Output)	dB	0 ... 10, in 1 dB steps adjustment, electronical
	Attenuator (Output)	dB	0 ... 20, in 1 dB steps adjustment, electronical
	Input slot UPP2	dB	for low pass filter LPF 5-85 or JXP-PAD's usage
	Ingress Detection Switch	dB	0 / 6 / 45, switchable by FOSTRA
	Slope frequency point	dB	65/85 switchable by jumper
	Noise	dB	6,5 Tu ≤ 40° C
	NPR/CNIR @ 50MHz load		50dB @ -46dBmV/Hz input level
OUT-BER @ 120 dBµV full load 6 carrier 16 QAM	BER	< 1*10 ⁻⁶ (KDG 1TS140)	
Power supply	V~	185 - 265 local powered or 28 - 90 V~ remote powered by 10 A feed through	
Power consumption	W	16,3 max. with active return way	
Dimension B x H x T	mm	225 x 180 x 95	
Connectors		PG 11 (delivery without connectors)	

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