

## LINE EXTENDER-/ DISTRIBUTION-AMPLIFIER LHE

- || 1 GHz bandwidth
- || Interrupt free electronic adjustment, basic settings without additional accessories
- || 7-Segment display, simply to adjust by keypad
- || MultiGainTech 41/30 dB
- || AGC module available
- || High output level by GaAs-FET
- || 2 outputs, Input/Output horizontal or vertical assembly
- || LED indicator for operation status
- || Alu die-cast housing IP 65, strand mount possible



Type		LHE 40-1	LHE 40-1R
Item No.		57001626 (local power)	57001627 (remote power)
Downstream	Frequency range	MHz	85-1006 (Diplexer on board)
	Gain	dB	40, to 30 dB switchable
	Linearity	dB	± 0.5
	Slope	dB	0 ... 20, 1 dB steps adjustment, electrical
	0-point loss	dB	± 0,5, at 1 GHz
	Interstage slope	dB	0/6, switchable
	Attenuation	dB	0 ... 20, 1 dB steps adjustment, electrical
	Interstage slope, slot UPP1/UPP2	dB	3,6,9,12 with EZL/EZP adjustment
	Interstage attn, slot. UPP1/UPP2	dB	0,1,2, ... 20 JXP-Pads for 1 dB step adjustment
	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	-20 ± 1.5 dB/Octave, min. -12 dB at 1 GHz
	Noise	dB	6.5 Tu ≤ 40° C
	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	5-65 (Diplexer on board)
	Gain passive /active	dB	-4 / 24 / 32
	Linearity	dB	± 0.5
	Slope (Output)	dB	0 ... 20, 1 dB steps adjustment, electrical
	Attenuator (Output)	dB	0 ... 20, 1 dB steps adjustment, electrical
	Input slot UPP3	dB	0,1,2, ... 20 JXP-Pads in 1 dB steps adjustable
	Interstage attenuation	dB	0 / 8, switchable by jumper
	Testpoint 5 - 65 MHz	dB	-20 ± 0.75 dB, F-connector, 2x internal
	Noise	dB	6, Tu ≤ 40° C
	Outputlevel 2 <sup>nd</sup> order, -60 dB	dBμV	108, DIN 45004A1
	Outputlevel 3 <sup>rd</sup> order, -60 dB	dBμV	116, DIN 45004B
Outputlevel-BER at 120 dBμV medium load 3 carrier 16 QAM	BER	1*10 <sup>-6</sup> (KDG 1TS140)	
Power supply	V~	185 - 265 local power or 28 - 65 V remote power 10 A feed through	
Power consumption	W	14.5 max. active return way	
Dimensions / Weight	mm / kg	225 x 180 x 95 / 1.8	
Connector		PG 11 thread (connectors excluded)	

For the necessary plug-in modules please refer to the table on page 10.

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