

LINE EXTENDER-/ DISTRIBUTION-AMPLIFIER LHD (R) GA CLASSIC-LINE

- || 1.2 GHz DS-bandwidth, modular return path up to 204 MHz
- || **Gallium Arsenide technology (GaAs)**
- || Prepared for network monitoring
- || Interruption-free electronic adjustment, basic settings without additional accessories
- || 7-Segment display, simply to adjust by keypad
- || DOCSIS 3.1 compliant
- || AGC/ALSC module available
- || With **FOSTRA-F**: IDS 0 / 6 / 45 dB switchable at the return (option)
- || 2 -Outputs, IN / OUT connectors in vertical or horizontal position
- || 10 A Remote current feed through, Immunity to surge voltages 6kV
- || Compact alu die-cast housing acc. IP 67
- || Return path can be switched off



|| FOSTRA-F FSK-RX



STEP SPIN TECHNOLOGIE



Type		LHD 43 GA	LHD 43 R GA
Item No.		57002810 - LHD 43 GA (local power) 57002963 - LHD 43-1 GA (Line-OUT)	57002811 - LHD 43 R GA (remote power) 57002964 - LHD 43-1 R GA (rem., Line-OUT)
Final stage		1 x Power Doubler GaAs-FET	
Downstream	Frequency range	MHz 40 - 1218 (return path ampl. 204 MHz on board, diplexer modular)	
	Gain	dB 43	
	Linearity	dB ± 0.5	
	Slope	dB 0 ... 25, 1 dB step adjustment, electrical	
	0-point loss	dB ± 0.5 at 1218 MHz, switchable to 1006 MHz	
	Interstage slope	dB 0...15, electrical adjustment	
	Attenuation	dB 0 ... 20, 1 dB step adjustment, electrical	
	Interstage attn., slot UPP1	dB for JXP-PAD's	
	Cablesimulation	dB for JXP-PAD's	
	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 20dB @ 40MHz -1.5 dB/Octave	
	Noise	dB typ. 7 dB	
Output level CENELEC*1	dBµV 114		
Output level digital*2	dBµV 107		
Upstream	Frequency range	MHz 5-65/85/204 (configuration with modular diplexer)	
	Gain	dB 28	
	Linearity	dB ± 0.5	
	Slope (Output)	dB 0 ... 16, 1 dB step adjustment, electrical	
	Attenuator (Output)	dB 0 ... 30, 1 dB step adjustment, electrical	
	Input slot UPP2	dB for additional low pass filter LPF x-xx or JXP-PAD's	
	Ingress Detection Switch	dB 0 / 6 / 45, switchable with FOSTRA	
	Slope frequency point	dB 85 / 204 switchable by Jumper	
	Noise	dB 6.5	
	BER @ 107 dBµV with 24 carrier QAM 256	< 1.0E-09	
Power supply	V~ 200 - 240 V local power	28 - 65 V remote power - 10 A feed through	
Power consumption	W 17.0 with active return path		
Dimensions / Weight	mm / kg 225 x 195 x 95 / 1.8		
Connector	PG 11		

*1 CENELEC : CTB,CSO > 60 dB, flat

*2 Digital: EN 60728-3,119 CH, 262-1214MHz, flat