

In-house distribution amplifier Mini Line

VX 82 0S

Homeamplifier, 1 GHz, KDG TS140



Locally fed 1GHz distribution amplifier in Mini Line housing with fold-up lid. The programming elements allow variable adjustment. Functional equation with PAD-based version 8x OP.

Technische Daten

Down-Stream / DS

Frequency range downstream	85...1006 MHz
Gain downstream	31 dB
Frequency response	$\leq \pm 0,8$ dB
Output level	≥ 98 dB μ V (CENELEC 42 Ch, flat, CTB/CSO ≥ 60 dB)
IN-ATT (adjuster)	0...20 dB
IN-EQ (adjuster)	0...20 dB
Interstage-EQ (fix)	3 dB
noise figure	$\leq 6,5$ dB

Upstream (US)

US frequency range	5...65 MHz
Gain upstream	25 dB
Frequency response upstream	$\leq \pm 0,8$ dB
Output level	120 dB μ V (KDG TS140 medium load; BER $< 1e-10-6$)
IN-ATT (adjuster)	0...20 dB
noise figure	$\leq 4,5$ dB

General data

HF-connections	F
Impedance	75 Ω
Return loss	≥ 14 dB (>40 MHz - 1,5 dB Okta-ve ≥ 10 dB)
Lightning protection	1 kV (severity 1 / EN60728-3)
EMC	EN50083-2
Supply voltage	230 V ($\pm 10\%$)
Power consumption max.	$\leq 5,5$ W
Ambient temperature	-20...+55 °C
Storage temperature	-25...+75 °C
Protection class	IP20

characteristics

- Compact housing MiniLine
- All RF connections F-connector
- setting elements with rotary switch
- Flap-lid for easy handling