

# In-house distribution amplifier Mini Line

## VX 83 05

Homeamplifier, 1 GHz, KDG 1TS140



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	$\geq 102$ dB $\mu$ V (CENELEC 42 Ch, flat, CTB/CSO $\geq 60$ 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 $\mu$ 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 $\Omega$
Return loss	$\geq 14$ dB ( $>40$ MHz - 1,5 dB Okta-ve $\geq 10$ 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