

DH5669 HOUSE CONNECTION AMPLIFIER



Technical specifications

Parameter	Specification	Note
Downstream signal path		
Frequency range	85...1000 MHz	
Return loss	18 dB@40 MHz -1.5 dB / oct	
Gain	31 dB	
Input attenuator control range	0...-18 dB	
Input equaliser control range	0...18 dB	1)
Mid-stage slope	3 dB	2)
Flatness	± 0.75 dB	
Noise figure	6.0 dB	3)
CTB 42 channels	97.0 dB μ V	4)
CSO 42 channels	97.0 dB μ V	4)
XMOD 42 channels	93.0 dB μ V	4)
Output level DIN 45004B	116.0 dB μ V	5)
Upstream signal path		
Frequency range	5...65 MHz	
Return loss	18 dB	
Gain	25.5 dB	
Gain control range	0...-18 dB	
Slope	3.0 dB	6)
Flatness	± 0.5 dB	
Noise figure	6.5 dB	3)
Output level, DIN 45004B	116.0 dB μ V	5)
Output level, 2 nd order distortion - 60 dB	106.0 dB μ V	5)

General

Supply voltage	207...255 VAC	
Power consumption	5.5 W	
Input / Output connectors	F- female	
Dimensions	88(98) x 156(176) x 60	h x w x d
Weight	0.8 kg	
Operating temp	-20...+55 °C	
Class of enclosure	IP 20	
EMC	IEC60728-2	
ESD (RF ports)	2 kV	7)
Surge (RF ports)	4 kV	8)

Notes

- 1) The pivot point is at 1000 MHz.
- 2) This fixed slope is defined between 85...1000 MHz.
- 3) Typical value. Guaranteed value is 1.0 dB worse.
- 4) According to EN50083-3. Amplifier output was 3 dB cable equivalent sloped. All results are typical values in room temperature, which can be used in system calculations. XMOD is measured at the lowest channel.
- 5) Typical value.
- 6) This fixed slope is defined between 5...65 MHz.
- 7) EN61000-4-2, contact discharge to enclosure and RF-ports.
- 8) EN61000-4-5, 1.2 / 50 µs pulse to RF-ports.

Block diagram

