

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 dBμV	4)
CSO 42 channels	97.0 dBμV	4)
XMOD 42 channels	93.0 dBμV	4)
Output level DIN 45004B	116.0 dBuV	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 dBμV	5)
Output level, 2 nd order distortion - 60 dB	106.0 dBμV	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

