Note



## March 4, 2011

## **DH5669 HOUSE CONNECTION AMPLIFIER**



## **Technical specifications**

**Parameter** 

	•	
Downstream signal path		
Frequency range Return loss Gain Input attenuator control range Input equaliser control range Mid-stage slope Flatness Noise figure CTB 42 channels CSO 42 channels XMOD 42 channels Output level DIN 45004B  Upstream signal path	851000 MHz 18 dB@40 MHz -1.5 dB / oct 31 dB 018 dB 018 dB 3 dB ± 0.75 dB 6.0 dB 97.0 dBμV 97.0 dBμV 93.0 dBμV 116.0 dBuV	1) 2) 3) 4) 4) 4) 5)
Frequency range Return loss Gain Gain control range Slope Flatness Noise figure Output level, DIN 45004B Output level, 2 <sup>nd</sup> order distortion - 60 dB	$565 \text{ MHz}$ $18 \text{ dB}$ $25.5 \text{ dB}$ $018 \text{ dB}$ $3.0 \text{ dB}$ $\pm 0.5 \text{ dB}$ $6.5 \text{ dB}$ $116.0 \text{ dB}\mu\text{V}$ $106.0 \text{ dB}\mu\text{V}$	6) 3) 5) 5)

Specification

### General

TELESTE

Supply voltage Power consumption Input / Output connectors Dimensions Weight	207255 VAC 5.5 W F- female 88(98) x 156(176) x 60 h x w x 0 0.8 kg	d
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	3)

### **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  $\mu s$  pulse to RF-ports.

# **Block diagram**

