

# HF-SAT-105-12

## Audio Amplifier

### Features

Bi-directional Audio Amplifier, for AVL, fleet management and car satellite alarm. Compatible with all GSM engines available in the market. Easy to install.

The embedded possibility to operate, either in differential or single ended input mode, makes it suitable for boosting all GSM engines, without any loss of the audio performances. Moreover it allows a full duplex communication.



### Characteristics

#### Electrical

Power Supply: 12 to 24 Vdc

Max power out: 1A

Stand-by mode:  $\leq 10$  m

#### Loudspeaker

Power audio out: 5W Peak

THD:  $< 5\%$  @ Pk

Audio Bw: 300 - 3400 Hz

SPL Max:  $86 \pm 3$  dB

#### Microphone

Uni-Directional, back erasing type

Sensitivity:  $-37$  dBV/Pa  $\pm 3$  dB

Audio Bw: 100 - 10000 Hz  $\pm 10$  dB

#### Audio Interface

Audio in: (from GSM module)  $\leq 900$  mVrms

Nominal Impedance: Max 600 Ohm (balanced)

Audio out: (to GSM module)  $\leq 230$  mVrms

Nominal Impedance: Lz (balanced)

Internal buzzer driven by ring indicator

#### Environmental

##### DHF main unit

Weight (With speaker): 250 g

Dimensions (box): 74x74x47 mm

Max. temperature range:  $-20$   $+70$  °C

Max Rel. Humidity: 90% (not cond @40°C)

##### Junction box

Dimensions: 57x57x28

Cable lenght: 5m

System interface conn.: SUB-D M 15 pin



MIC 97

