

Digital Handsfree Car Kit

Features

Software features managed by a
High Performance DSP 16 bit, 40 MIPS
Acoustic echo cancellation
Active noise suppression
Side-tone cancellation
Dynamic range control line in / out
Superior double talk performances
Audio custom profiles EE stored
Silenced listening
Analog or PCM audio interface

Applications

AVL, fleet management and car satellite alarms.
Compatible with all GSM engines available in the market.
Easy to install. This Handsfree kit can be used in high background noise conditions, thanks to its sophisticated and reliable electronics interface.

Audio Interface

RX audio in, standard profile ≤ 1 Vpp
(balanced from modem), Impedance: 150 Ohm
TX audio out, standard profile ≤ 40 mVpp
(balanced to modem), Impedance: 2.2K Ohm
Audio levels tuned according to customer applications

Optional features:

- silenced listening
- external speaker, high level outputs and controls
- available linear PCM interface, custom EE profile

Voice processing

Acoustic echo suppression: > 45 dB
Stationary Noise suppr. level: > 12 dB
(pink and car noise)
SNR (TX/RX): > 75 dB
Side tone cancellation: 30dB typ

Junction box

Dimensions: 57x57x28
Cable lenght: 5m
System interface conn.: SUB-D M 15 pin



Characteristics

Electrical

Power Supply: 12 to 24 Vdc
Current consumption: @12Vdc
Max power out: 0.6A
Stand-by mode: $\leq 0,5$ mA
Rx off: ≤ 40 mA

Loudspeaker

Power audio out: 5W Peak
THD: $< 5\%$ @ Pk
Audio Bw: 300 - 3400 Hz
SPL Max: 86 ± 3 dB

Microphone

Uni-Directional, back erasing type
Sensitivity: -37 dBV/Pa ± 3 dB
Audio Bw: 100 - 10000 Hz ± 10 dB

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)

BASIC KIT p/n HFD-11-mic-100



consists of:

- Hands free unit with external optional vol. control
- Microphone to be chosen among the series : 95, 97, 02, 05, 06, 14
- Junction Box
- Optional Handset for reserved listening

