

NK-100 Digital Noise Killer



A digital microphone noise reduction module that employs advanced algorithms to provide natural sounding clear speech communications in high noise environments. The aggressive Voice Operated Switch (VOX) mode always captures the first syllable and allows true hands free operation. This product combines state of the art Digital Signal Processing and carefully designed circuitry to ensure very low power consumption, and is easily installed between the headset microphone and radio or intercom device. Optimized for use with a headset microphone. For best performance in very high noise, a true noise-canceling microphone is recommended. Noise reduction is also effective for far-field microphones Patents Pending.

Features

- VOX or PTT selectable
- PTT has priority over VOX function
- VOX has fast attack time & first syllable capture
- VOX switches off 2-3 seconds from end of talk
- Automatic Standby mode to conserve power (PTT setting only)
- Applicable to industrial, public safety and military radios & intercom systems
- Clear voice communications even with noise more than double the speech level
- Indicators for transmission mode & battery status

Options & Accessories:

- Splash proof version
- Belt clip
- Extended temperature range (-40°C to 85°C)

Recommended headsets are Lectret SH-05, SH-06 or HS-100. Other solutions are available on request.



Specifications

Noise reduction

≥ 20 dB (typ.) with natural sounding speech

Attack Time

< 0.2 seconds

First syllable transmit assured in VOX mode

Bandwidth

250 Hz to 7 kHz

Current consumption (at 3.3V)

Transmit : ≤ 52 mA

Standby : ≤ 10 mA

Power supply

One alkaline "AA" battery
or external source 3.3V to 10V

Battery life

55 hours with single alkaline "AA" battery
(typ.)

Temp. range

0°C to 70°C

Size & weight

103 x 54 x 23 mm; 180 g (incl. battery)