

**AUTOMOTIVE  
APPLICATIONS**

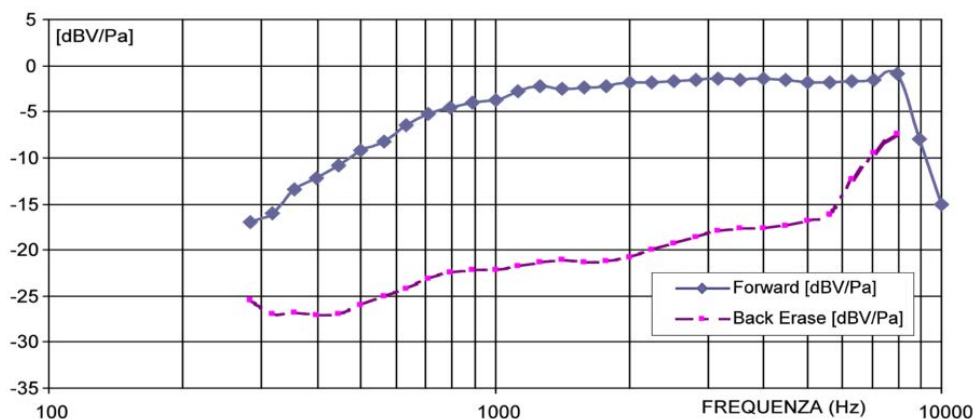
# MIC-98-006-xx

## Features

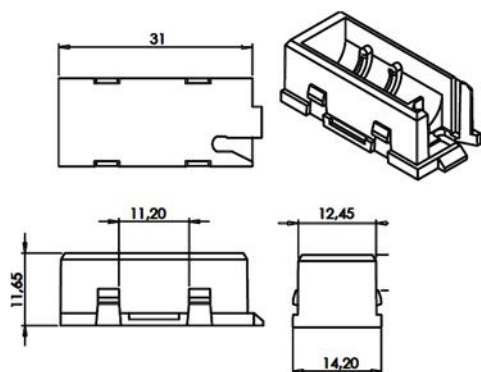
Amplified unidirectional, electret condenser microphone, for ceiling light mounting.  
Specifically designed to offer good intelligibility and low distortion also in noisy environmental conditions, can be supplied with sensitivity from +3 up to -22 dB on request (see sensitivity for ref.)

**Extended Power supply range  
from 5 to 8 Vdc**

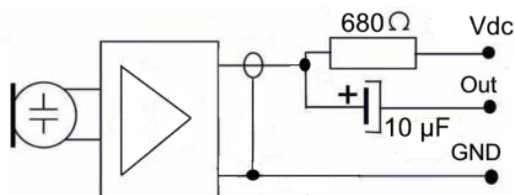
## Typical Microphone Sensitivity



## Mechanical Layout



## Test Circuit



## Technical Specifications

Directivity: Uni-directional (Cardioid pattern)  
Sensitivity: -3,7 dB  $\pm$  3dB re 1V/Pa @ 1 kHz  
Equal to 640 mV meas. at 50 cm (Typ.)  
Power supply: 5  $\div$  8 Vdc  
Max current:  $\leq$  2 mA @ 94dB SPL  
Idle mode:  $<$  0,6 mA  
Load resistor: 680  $\Omega$   
S/N Ratio:  $>$  60 dBA  
THD:  $<$  2,5%  
Max. SPL: 120 dB  
Operat. temp.: -25° to +70°C  
Storage temp.: -40° to +85°C  
Weight: ~8g  
Case material: Polycarbonate Matt Black  
Cable length and connector: On request

*Microphones Family*

