

ELECTRET CONDENSER MICROPHONE



ELECTRICAL CHARACTERISTICS

Temperature = 20 ± 2 °C Humidity= $65\pm 5\%$

| Parameter | symbol | condition | limits | | | unit |
|-----------------------|--------|---------------------|--------|--------|-----|------|
| | | | min | center | max | |
| sensitivity | S | 0dB=1V/Pa at 1kHz | -45 | -42 | -39 | dB |
| output impedance | Z out | f=1kHz | | | 2.2 | KΩ |
| current consumption | ISS | VCC =2.0V, RL=2.2KΩ | | | 500 | μA |
| signal to noise ratio | S/N | at 1kHz S.P.L=1Pa | 58 | | | dB |
| decreasing voltage | ΔS | VCC=3.0V to2.0V | | | -3 | dB |
| operating voltage | | | 1 | | 10 | V |
| maximum input S.P.L | | | | | 110 | dB |