MODEL CA5A-J ULTRA-MINIATURE CERAMIC MICROPHONE

The CA5A-J is an ultra-miniature ceramic microphone. The frequency response is equivalent to standard microphones of much greater size. The CA5A-J is ideal for hearing aids, small headpiece microphones, pocket walkie-talkies, dictating machines, musical instruments, intelligence and security work, and other applications requiring a miniature microphone. The generating element is lead-zirconate-titanate which provides reliable use over wide temperature ranges. The ceramic structure is inherently more stable than electro-magnetic units of similar size. The low end response is easily controlled by external load.

SPECIFICATIONS

TYPE: Ceramic element
FREQUENCY RANGE: 50 - 4500 Hz.
IMPEDANCE: Equivalent to 400 pfd
OUTPUT LEVEL: -70 db re 1 volt/
    microbar (.31mv)
TEMPERATURE RANGE: -20° to 200° Fahrenheit
HUMIDITY RANGE: Unaffected by humidity

SIZE: See Figure A
WEIGHT: ¾ gram

OVERALL DIMENSIONS

FIGURE A

RELATIVE RESPONSE IN db

FREQUENCY IN CYCLES PER SECOND

FIGURE B

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