

Wire Frame Boom Microphone Range



Compact Rugged Microphones For Wire Frame Booms

Wire Frame Boom Microphone Range

PED 0193 Boom Microphone

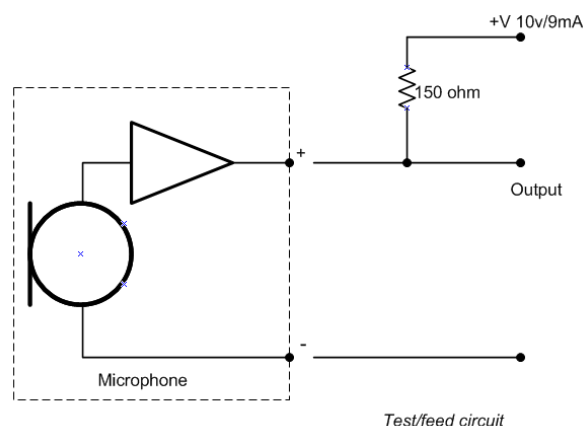
- Part No: PED0193
- 2 wire Electret, Noise Cancelling
- M162 mic
- Wide frequency response and low distortion
- UK manufactured
- Screw Terminal connections



Characteristics

Type: Electret + amplifier
 Dimensions: 14mm Width
 10mm/22mm max Depth
 54mm Length
 Weight: 11 gm
 Boom Fixing: via screw terminal fixing or traditional wire frame style
 Power: 8 - 24vDC via 150ohm
 Sensitivity: -46dBV/Pa typical @ 6.25mm
 Freq. Response: 200Hz to 6KHz
 Distortion: < 5% at +30dBPa
 Terminals: Screw

Schematic Circuit

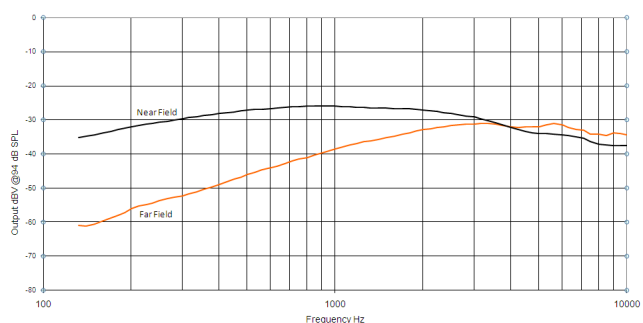


Environmental

In accordance with Mil-Std-810G:

High Temp: Method 501.5, Store +71degC
 Op +70degC
 Low Temp: Method 502.5, Store -51degC
 Op -40degC
 Humidity: Method 507.5 < 95%
 Dust: Method 510.5
 Salt Fog: Method 509.5
 Shock Drop: Method 516.6 (12 drops to 2m)
 Immersion: Method 512.5 (1m)
 Fungus: Method 508.6

Typical Microphone Frequency Response



Wire Frame Boom Microphone Range

PED 0228 Boom Microphone

- Part No: PED0228
- 2 wire Electret, Noise Cancelling
- Carbon mic replacement
- Wide frequency response and low distortion
- UK manufactured
- REVERSED Talkside version of Pambry Mic PED0156
- Bi-directional Screw Terminal connections



Characteristics

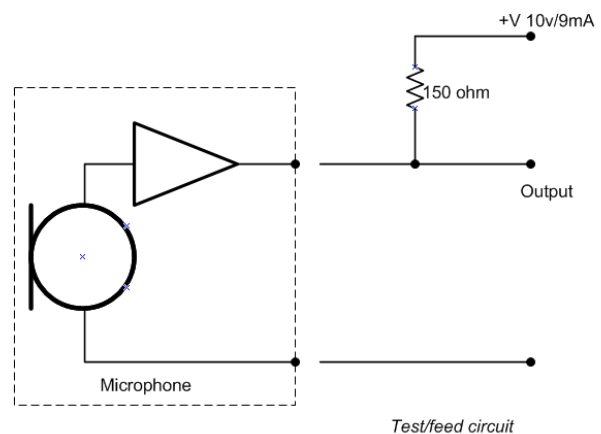
Type: Electret + amplifier
 Dimensions: 14mm Width
 10mm/22mm max Depth
 54mm Length
 Weight: 11 gm
 Boom Fixing: via screw terminal fixing or traditional wire frame style
 Power: 8 - 24vDC via 150ohm
 Sensitivity: -27dBV/Pa typical @ 6.25mm
 Freq. Response: 200Hz to 6KHz
 Distortion: < 5% at +30dBPa
 Terminals: Screw

Environmental

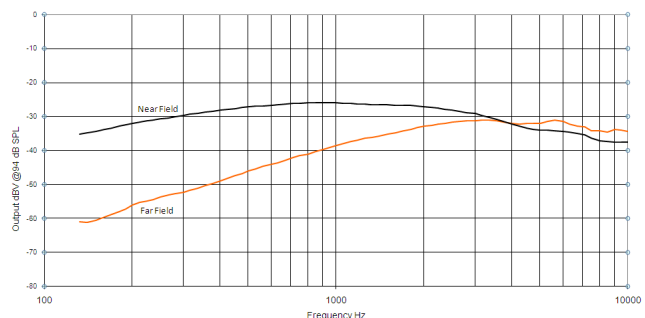
In accordance with Mil-Std-810G:

High Temp: Method 501.5, Store +71degC
 Op +70degC
 Low Temp: Method 502.5, Store -51degC
 Op -40degC
 Humidity: Method 507.5 < 95%
 Dust: Method 510.5
 Salt Fog: Method 509.5
 Shock Drop: Method 516.6 (12 drops to 2m)
 Immersion: Method 512.5 (1m)
 Fungus: Method 508.6

Schematic Circuit



Typical Microphone Frequency Response



Wire Frame Boom Microphone Range

Boom Microphone

- Part No: PED0194
- 2 wire Electret, Noise Cancelling
- M174 microphone
- NSN 5965-99-131-1747 ROMIC
- Wide frequency response and low distortion
- UK manufactured
- Wired direct to headset connector



Characteristics

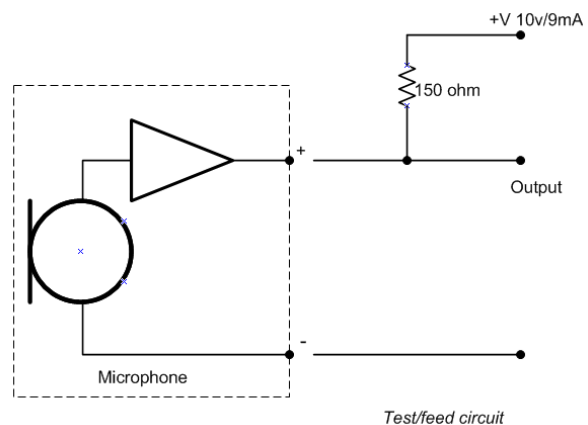
Type: Electret + amplifier
 Dimensions: 14mm Width
 10mm/22mm max Depth
 54mm Length (Cable 300mm)
 Weight: 11 gm (not inc cable/connector)
 Boom Fixing: traditional wire frame style
 Power: 8 - 24vDC via 150ohm
 Sensitivity: -46dBV/Pa typical @ 6.25mm
 Freq. Response: 200Hz to 6KHz
 Distortion: < 5% at +30dBPa
 Terminals: Nexus 2 + 1 connector

Environmental

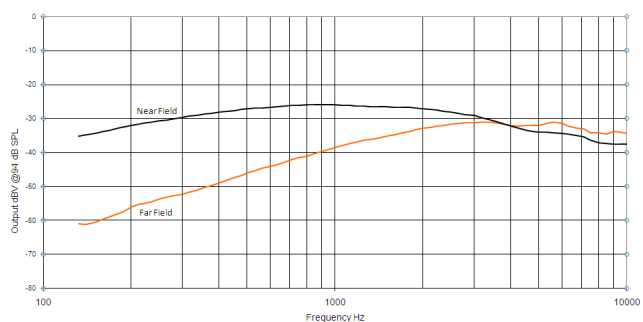
In accordance with Mil-Std-810G:

High Temp: Method 501.5, Store +71degC
 Op +70degC
 Low Temp: Method 502.5, Store -51degC
 Op -40degC
 Humidity: Method 507.5 < 95%
 Dust: Method 510.5
 Salt Fog: Method 509.5
 Shock Drop: Method 516.6 (12 drops to 2m)
 Immersion: Method 512.5 (1m)
 Fungus: Method 508.6

Schematic Circuit



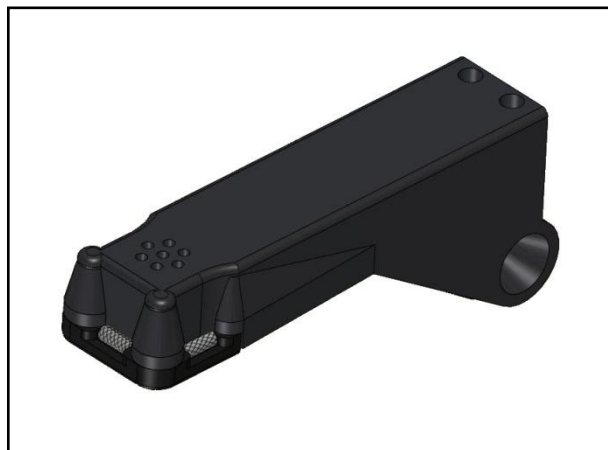
Typical Microphone Frequency Response



Wire Frame Boom Microphone Range

Boom Microphone PED 0129 Boom Microphone

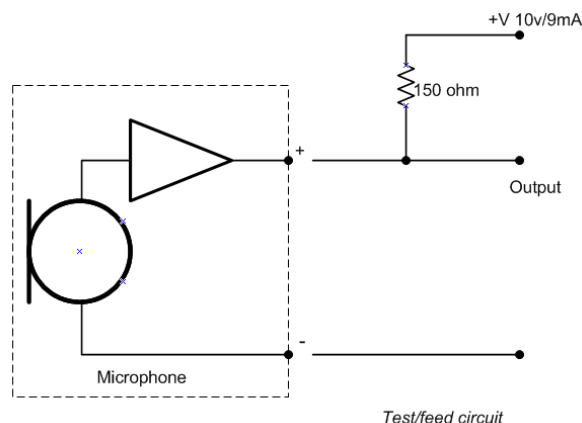
- Part No: PED0129
- 2 wire Electret, Noise Cancelling
- M170 microphone
- Wide frequency response and low distortion
- UK manufactured
- Screw Terminal connections



Characteristics

Type: Electret + amplifier
 Dimensions: 14mm Width
 10mm/22mm max Depth
 54mm Length
 Weight: 11 gm
 Boom Fixing: via screw terminal fixing or traditional wire frame style
 Power: 8 - 24vDC via 150ohm
 Sensitivity: -60dBV/Pa typical @ 6.25mm
 Freq. Response: 200Hz to 6KHz
 Distortion: < 5% at +30dBPa
 Terminals: Screw

Schematic Circuit

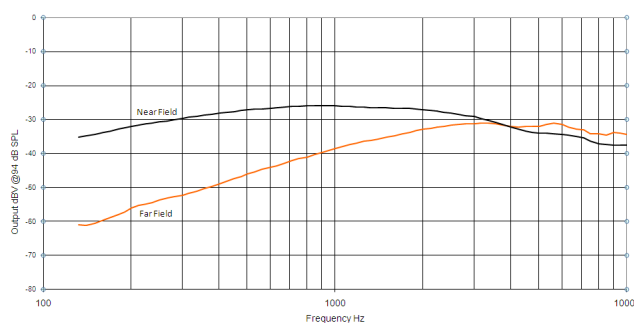


Environmental

In accordance with Mil-Std-810G:

High Temp: Method 501.5, Store +71degC
 Op +70degC
 Low Temp: Method 502.5, Store -51degC
 Op -40degC
 Humidity: Method 507.5 < 95%
 Dust: Method 510.5
 Salt Fog: Method 509.5
 Shock Drop: Method 516.6 (12 drops to 2m)
 Immersion: Method 512.5 (1m)
 Fungus: Method 508.6

Typical Microphone Frequency Response



Wire Frame Boom Microphone Range

PED 0156 Boom Microphone

- Part No: PED0156
- 2 wire Electret, Noise Cancelling
- Aviation carbon mic replacement
- Wide frequency response and low distortion
- UK manufactured M7A equivalent
- Screw Terminal connections

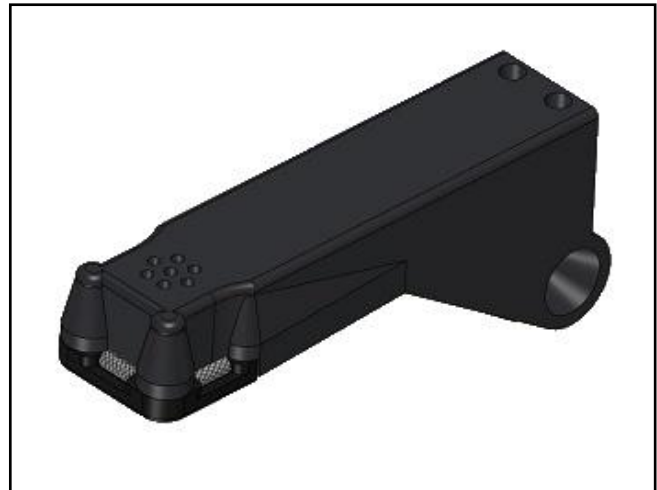
Characteristics

Type: Electret + amplifier
 Dimensions: 14mm Width
 10mm/22mm max Depth
 54mm Length
 Weight: 11 gm
 Boom Fixing: via screw terminal fixing or traditional wire frame style
 Power: 8 - 16vDC via 470ohm
 (see schematic circuit)
 Sensitivity: -26dBV/Pa typical @ 6.25mm
 Freq. Response: 200Hz to 6KHz
 Distortion: < 5% at +10dBPa
 Terminals: Screw

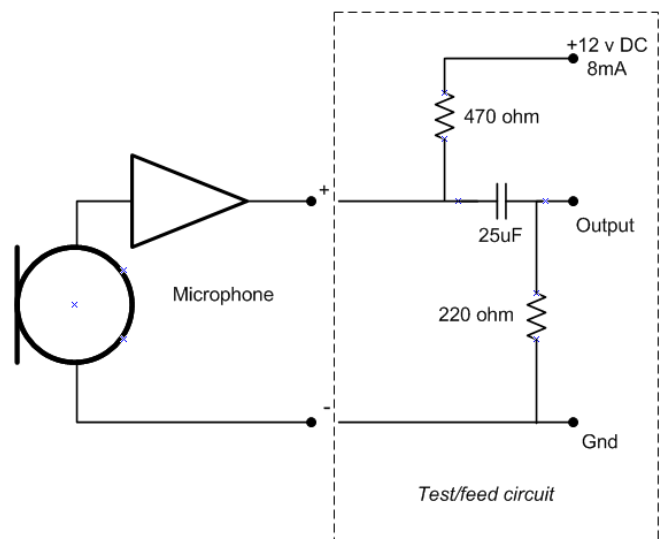
Environmental

In accordance with RTCA DO 160:

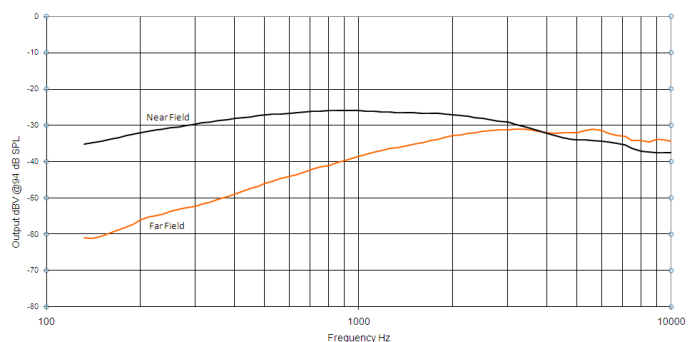
High Temp: +70degC/+55degC (Store/Op)
 Low Temp: - 40degC/-20degC (Store/Op)
 Humidity: 95% @ 65degC
 Water: Sect 10. Cat Y
 Salt Fog: Sect 14. Cat S
 Shock Drop: Sect 7. Cat A. 4x 3axis drops to 2m
 Fungus: Sect 13.



Schematic Circuit



Typical Microphone Frequency Response



Wire Frame Boom Microphone Range

MF Range of Wire Frame Boom Mics



The complete range of Pambry MF microphones incorporating 48 different standard electret, amplified and dynamic microphone options and an unlimited scope for customisation can be used supplied fitted to wire frame booms.

Information on the MF microphones can be found on the individual MFP, MFN & MFM data sheets.

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