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| Model Number 376A31 | PHANTOM POWER MICROPHONE SYSTEM | Revision: B ECN #: 48449 |
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| | <u>ENGLISH</u> | <u>SI</u> | |
|---|-----------------------|-----------------------|--------|
| Performance | | | |
| Nominal Microphone Diameter | 1/4" | 1/4" | |
| Frequency Response Characteristic(at 0° incidence) | Free-Field | Free-Field | |
| Sensitivity | 2.0 mV/Pa | 2.0 mV/Pa | [3] |
| Sensitivity(± 3 dB) | -54 dB re 1 V/Pa | -54 dB re 1 V/Pa | [3] |
| Frequency Range(+2 / -3 dB) | 4 to 100,000 Hz | 4 to 100,000 Hz | |
| Frequency Range(± 2 dB) | 5 to 80,000 Hz | 5 to 80,000 Hz | |
| Frequency Range(± 1 dB) | 7 to 12,500 Hz | 7 to 12,500 Hz | |
| Lower Limiting Frequency(-3 dB) | 0.75 to 4.0 Hz | 0.75 to 4.0 Hz | |
| Inherent Noise | 40 dB(A) re 20 µPa | 40 dB(A) re 20 µPa | [4][2] |
| Dynamic Range(3% Distortion Limit) | 165 dB re 20 µPa | 165 dB re 20 µPa | [2] |
| Environmental | | | |
| Temperature Range(Operating) | -40 to +149 °F | -40 to +65 °C | |
| Temperature Coefficient of Sensitivity(+14 to +149°F (-10 to 65°C)) | 0.003 dB/°F | 0.006 dB/°C | [2][3] |
| Static Pressure Coefficient | -0.009 dB/kPa | -0.009 dB/kPa | [2][3] |
| Humidity Coefficient of Sensitivity(0 to 100%, non-condensing) | ± 0.001 dB/%RH | ± 0.001 dB/%RH | [3] |
| Influence of Axial Vibration(0.1g (1 m/s ²)) | 60 dB re 20 µPa | 60 dB re 20 µPa | [2] |
| Electrical | | | |
| Polarization Voltage | 0 V | 0 V | [1] |
| Current Draw | 6.5 mA | 6.5 mA | [2] |
| Maximum Output Voltage | ± 10 Vpk | ± 10 Vpk | |
| Output Impedance | <50 Ohm | <50 Ohm | |
| Physical | | | |
| Housing Material | Stainless Alloy | Stainless Alloy | |
| Venting | Rear | Rear | |
| Electrical Connector | 3-Pin XLR | 3-Pin XLR | |
| Mounting Thread(Grid) | 0.25 - 60 UNS | 0.25 - 60 UNS | |
| Size (Diameter x Height)(with grid) | 0.79 in x 6.85 in | 20.1 mm x 174.0 mm | |
| Weight | 4.96 oz | 140.7 gm | [2] |

OPTIONAL VERSIONS

Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

NOTES:

[1] Prepolarized
 [2] Typical.
 [3] re 250 Hz
 [4] A-Weighted inherent noise is specified from 20 Hz - 20 kHz.
 [5] See PCB Declaration of Conformance PS147 and PS167 for details.

SUPPLIED ACCESSORIES:

Model 079A49 Phantom power preamplifier holder (1)
 Model 64443-01 Quarter inch adaptor (1)
 Model 64444-01 Half inch to quarter inch adaptor (1)
 Model ACS-42 Calibration of microphone with preamplifier (1)

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|-----------------|-----------------|-----------------|-----------------|--------------|
| Entered: LK | Engineer: MJN | Sales: MV | Approved: NJF | Spec Number: |
| Date: 7/17/2018 | Date: 7/17/2018 | Date: 7/17/2018 | Date: 7/17/2018 | 66297 |



All specifications are at room temperature unless otherwise specified.
 In the interest of constant product improvement, we reserve the right to change specifications without notice.
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