



Type: 6060-OC-U-C03

ARCHITECT SPECIFICATIONS

The lavalier microphone shall be a pre-polarized condenser type with an omni-directional polar pattern. The frequency response shall be 20 Hz to 20 kHz with an effective frequency range within ± 2 dB from 40 Hz to 20 kHz and with a 4 dB soft boost at 8-20 kHz. The sensitivity shall be 20 mV/Pa (-34 dB re. 1V/Pa) at 1 kHz within a tolerance of ± 2.4 dB. The equivalent noise level shall be 24 dB(A). The microphone shall not exceed 1% THD at 126 dB SPL peak. The microphone shall have a dynamic range of 102 dB. The Max. SPL (10 % THD) shall be 134 dB SPL peak. The rated output impedance shall be 30-40 Ω and the connector type shall be 3-pin LEMO. The cable length shall be 1.8 m with a cable diameter of 1.6 mm and in brown color. The microphone diameter shall be 3.4 mm (0.13 in) and the length 14.4 mm (0.57 in). The microphone body and detachable cap shall be made of stainless steel and coated with a brown PVD treatment. The microphone shall be protected against water and dust to an IP58 rating and shall work in the temperature range -40° C to 45° C. The microphone shall function in humidity levels up to 90%. The polarity of the signal on pin 3 shall be positive going for a positively increasing sound pressure.

The microphone shall be the DPA 6060 Omnidirectional Subminiature Microphone type 6060-OC-U-C03



TECHNICAL SPECIFICATIONS

| 6060-OC-U-C03 | |
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| Directional pattern | Omnidirectional |
| Principle of operation | Pressure |
| Cartridge type | Pre-polarized condenser |
| Frequency response | 20 Hz - 20 kHz |
| Effective frequency range ± 2 dB | 40 Hz - 20 kHz with 4 dB soft boost at 8 - 20 kHz |
| Sensitivity, nominal, ± 2.4 dB at 1 kHz | 20 mV/Pa; -34 dB re. 1 V/Pa |
| Equivalent noise level, A-weighted | Typ. 24 dB(A) re. 20 μ Pa (max. 26 dB(A)) |
| Distortion, THD < 1% | 123 dB SPL RMS, 126 dB SPL peak |
| Dynamic range | Typ. 102 dB |
| Max. SPL, THD 10% | 134 dB SPL peak |
| Rated output impedance | 30 - 40 Ω |
| Power supply (for full performance) | For wireless systems: Min. 5 V - max. 10 V |
| Current consumption | Typ. 1.5 mA |
| Connector | 3-pin LEMO |
| Color | Brown |
| Weight | 8 g (0.29 oz) incl. Cable and connector |
| Microphone head size (h x w x d) | 3.4 / 14.4 mm (0.13 / 0.57 in) |
| Capsule diameter | 3 mm (0.12 in) |
| Cable length | 1.8 m (5.9 ft) |
| Polarity | Positively increasing sound pressure produces positive going voltage on LEMO pin 3 |
| Temperature range | -40°C to 45°C (-40°F to 113°F) |
| Relative humidity (RH) | Up to 90% |