

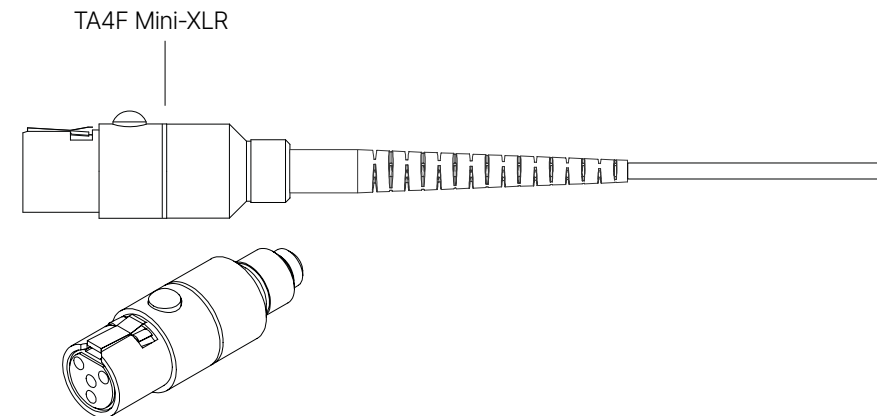


## Type: 4061-OP-C-B10

### ARCHITECT SPECIFICATIONS

The lavalier microphone shall be a pre-polarized condenser type with an omnidirectional polar pattern. The effective frequency response shall be 20 Hz to 20 kHz within  $\pm 2$  dB from 20 Hz to 20 kHz. With a soft boost grid attached a 3 dB soft boost at 8 – 20 kHz shall be present and with a high boost grid a 10 dB boost at 12 kHz shall be present. The sensitivity shall be 6 mV/Pa (-44 dB re. 1V/Pa) at 1 kHz within a tolerance of  $\pm 3$  dB. The equivalent noise level shall be 26 dB(A). The microphone shall not exceed 1% THD at 139 dB SPL peak. The microphone shall have a dynamic range of 113 dB. The Max. SPL (10 % THD) shall be 144 dB SPL peak. The rated output impedance shall be 30 – 40  $\Omega$  and the connector type shall be Mini-XLR TA4F. The cable length shall be 1.8 m with a cable diameter of 1.6 mm and in black color. The microphone diameter shall be 5.4 mm (0.21 in) and the length 12.7 mm (0.5 in). The microphone shall have detachable caps and the microphone shall be protected against water and dust to an IP58 rating. The operating temperature shall range from -40°C to 45°C (-40°F to 113°F) and 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 4061 Omnidirectional Microphone type 4061-OP-C-B10



## TECHNICAL SPECIFICATIONS

4061-OP-C-B10	
Directional pattern	Omnidirectional
Principle of operation	Pressure
Cartridge type	Pre-polarized condenser
Frequency response	20 Hz - 20 kHz
Effective frequency range $\pm 2$ dB	Soft boost grid: 20 Hz - 20 kHz, 3 dB soft boost at 8 - 20 kHz. High boost grid: 20 Hz - 20 kHz, 10 dB boost at 12 kHz
Sensitivity, nominal, $\pm 3$ dB at 1 kHz	6 mV/Pa; -44 dB re. 1 V/Pa
Equivalent noise level, A-weighted	Typ. 26 dB(A) re. 20 $\mu$ Pa (max. 28 dB(A))
Distortion, THD < 0.5%	133 dB SPL RMS, 136 dB SPL peak
Distortion, THD < 1%	136 dB SPL RMS, 139 dB SPL peak
Dynamic range	Typ. 113 dB
Max. SPL, THD 10%	144 dB SPL peak
Rated output impedance	30 - 40 $\Omega$
Power supply (for full performance)	For wireless systems: Min. 5 V - max. 10 V
Current consumption	Typ. 1.5 mA
Connector	TA4F Mini-XLR
Color	Black
Weight	7.5 g (0.26 oz) incl. Cable and connector
Microphone diameter	5.4 mm (0.21 in)
Microphone length	12.7 mm (0.5 in)
Cable length	1.8 m (5.9 ft)
Polarity	Positively increasing sound pressure produces positive going voltage on TA4F pin 3
Temperature range	-40°C to 45°C (-40°F to 113°F)
Relative humidity (RH)	Up to 90%