

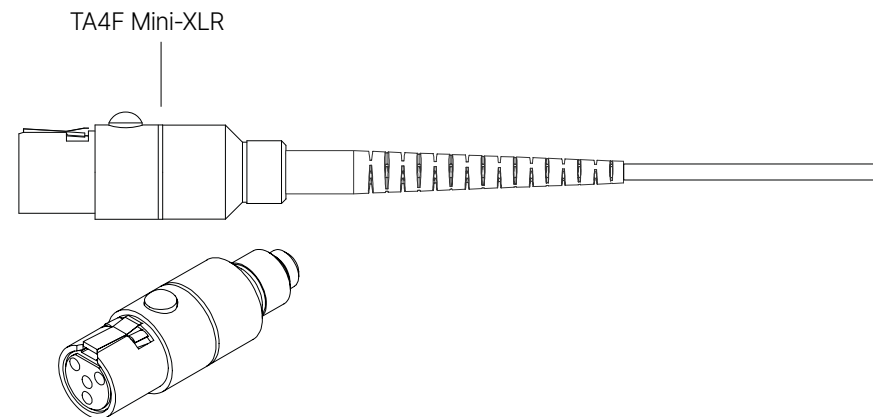


## Type: 4088-DC-A-C10-LH

### ARCHITECT SPECIFICATIONS

The headset microphone shall be a pre-polarized condenser type with a cardioid polar pattern. The microphone diameter shall be 5.4 mm (0.21 in). The frequency response shall be 20 Hz to 20 kHz with an effective frequency range within  $\pm 2$  dB from 100 Hz to 20 kHz and with a 4-6 dB soft boost at 15 kHz. 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 137 dB SPL peak. The microphone shall have a dynamic range of 111 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 1.2 m with a cable diameter of 1.6 mm and in black color. The microphone boom shall be black. 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 4088 Cardioid Microphone type 4088-DC-A-C10-LH



## TECHNICAL SPECIFICATIONS

<b>4088-DC-A-C10-LH</b>	
<b>Directional pattern</b>	Cardioid
<b>Principle of operation</b>	Pressure gradient
<b>Cartridge type</b>	Pre-polarized condenser
<b>Frequency response</b>	20 Hz - 20 kHz
<b>Effective frequency range, <math>\pm 2</math> dB, Near field 2-3 cm (0.8 - 1.2 in)</b>	100 Hz - 20 kHz (4 - 6 dB soft boost at 15 kHz)
<b>Sensitivity, nominal, <math>\pm 3</math> dB at 1 kHz</b>	6 mV/Pa; -44 dB re. 1 V/Pa
<b>Equivalent noise level, A-weighted</b>	Typ. 26 dB(A) re. 20 $\mu$ Pa (max. 28 dB(A))
<b>Distortion, THD &lt; 1%</b>	134 dB SPL RMS, 137 dB SPL peak
<b>Dynamic range</b>	Typ. 111 dB
<b>Max. SPL, THD 10%</b>	144 dB SPL peak
<b>Rated output impedance</b>	30 - 40 $\Omega$
<b>Power supply (for full performance)</b>	For wireless systems: Min. 5 V - max. 10 V
<b>Current consumption</b>	Typ. 1.5 mA
<b>Connector</b>	TA4F Mini-XLR
<b>Color</b>	Brown
<b>Weight</b>	14 g (0.5 oz) incl. Cable and MicroDot connector
<b>Microphone diameter</b>	5.4 mm (0.21 in)
<b>Cable length</b>	1.2 m (3.9 ft)
<b>Polarity</b>	Positively increasing sound pressure produces positive going voltage on TA4F pin 3
<b>Temperature range</b>	-40°C to 45°C (-40°F to 113°F)
<b>Relative humidity (RH)</b>	Up to 90%