



2028 Vocal Microphone

TABLE OF CONTENTS

Specifications	1
----------------	---

Specifications

Directional pattern	Supercardioid
Principle of operation	Pressure gradient
Cartridge type	Pre-polarized condenser
Frequency response	20 Hz - 20 kHz

Effective frequency range ±2 dB, at 12 cm (4.7 in) 100 Hz - 16 kHz. Permanent 3rd order low-cut filter at 80 Hz

Sensitivity, nominal, ±3 dB at 1 kHz 5 mV/Pa; -46 dB re. 1 V/Pa
5 mV/Pa; -54 dB re. 1 V/Pa with Adapter for wireless

Equivalent noise level, A-weighted Typ. 22 dB(A) re. 20 µPa (max. 23 dB(A))

Distortion, THD < 1% 136 dB SPL RMS, 139 dB SPL peak

Dynamic range Typ. 117 dB

Max. SPL, THD 10% 160 dB SPL peak

Rated output impedance 150 Ω

Minimum load impedance 1 kΩ

Cable drive capability 100 m (328 ft)

Output balance principle Impedance balancing with Active Drive

Common mode rejection ratio (CMRR) > 50 dB at 1 kHz

Power supply (for full performance) P48 (Phantom Power)

Current consumption Max 2.5 mA

Connector XLR-3M. Pin 1: shield, Pin 2: signal + phase, Pin 3: - phase

Color Matte black

Weight 286 g (10.1 oz)

Microphone diameter 48 mm (1.9 in)

Capsule diameter 19 mm (0.75 in)

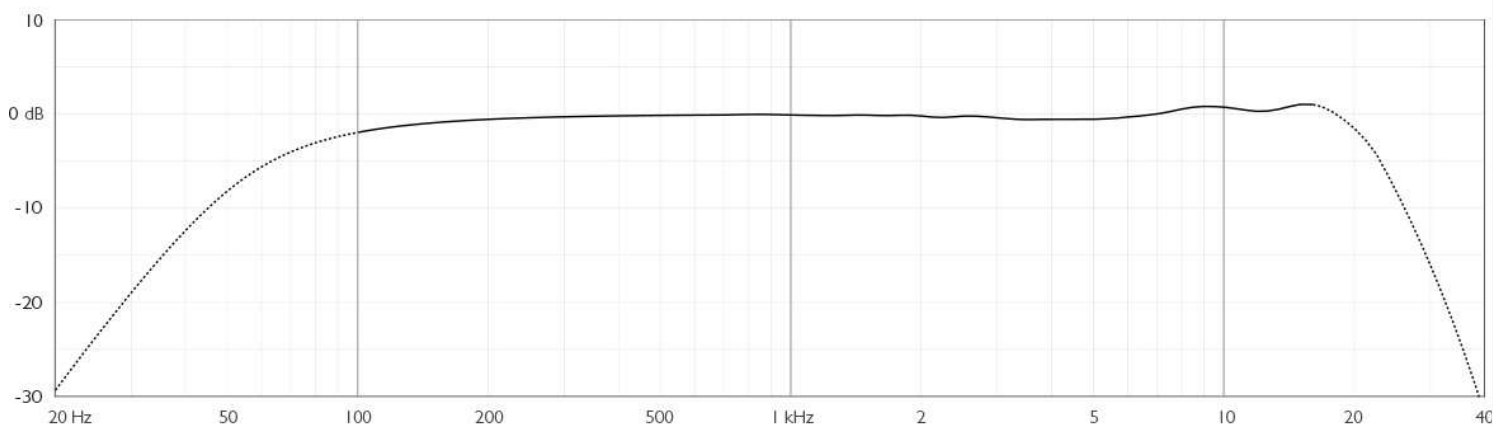
Microphone length 188 mm (7.4 in)

Maximum output voltage, RMS 9 Vrms; 19 dBV; 28 dBu

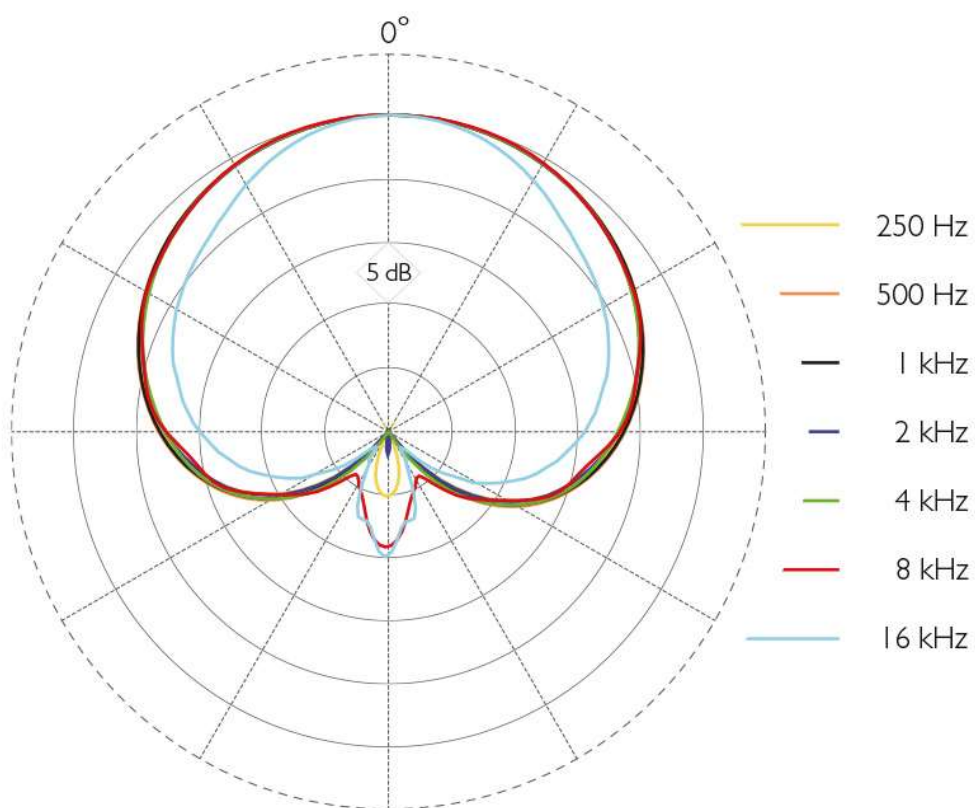
Polarity +V at pin 2 for positive sound pressure

Temperature range -40°C to 45°C (-40°F to 113°F)

Relative humidity (RH) Up to 90 %



Typical on-axis response of a DPA 2028 Vocal Mic measured at 12 cm (4.7 in)



Typical directional characteristics of a DPA 2028 Vocal Mic