

## SC4098

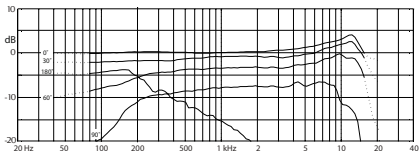
### **d:screet™ Supercardioid Microphone, XLR, Podium, Hanging or Floor Stand**

Clean, intelligible sound is key when an orator is addressing a crowd. d:screet™ Podium Microphones deliver high intelligibility and controlled directionality as well as efficient rejection of background noise and radio frequency interference.

#### **Performance**

The factory-mounted foam windscreen on the mic head should always be kept on to prevent pop noise.

#### **Frequency Response**



Typical on- and off-axis frequency responses of d:screet™ SC4098 Supercardioid Microphone at 20 cm (7.9 in)

#### **Available spare parts**

- DUA0580B Foam Windscreen for SC4098, Black, 5 pcs.
- DUA0580W Foam Windscreen for SC4098, White, 5 pcs.
- UA0639 Microphone Clip

[www.dpamicrophones.com/SC4098](http://www.dpamicrophones.com/SC4098)

#### **Service & repair**

If you are not satisfied with the characteristics exhibited by this product, please go to [www.dpamicrophones.com/service](http://www.dpamicrophones.com/service) for instructions.

#### **Warranty**

The d:screet™ SC4098 is covered by a two-year limited warranty.

#### **CE marking**

This product conforms to all relevant directives approved by the European Commission.

# Specifications

## Directional characteristics

Supercardioid

## Principle of operation

Pressure gradient

## Cartridge type

Pre-polarized condenser

## Frequency range

20 Hz - 20 kHz

## Frequency range, $\pm 2$ dB, 20 cm (7.9 in) distance

100 Hz – 15 kHz with 3 dB soft boost at 8-15 kHz.

Permanent 2nd order low-cut filter (-3 dB at 80 Hz)

## Sensitivity, nominal, $\pm 3$ dB at 1 kHz

16 mV/Pa; -36 dB re. 1 V/Pa

## Equivalent noise level, A-weighted

Typ. 23 dB(A) re. 20  $\mu$ Pa (max. 26 dB(A))

## Equivalent noise level, ITU-R BS.468-4

Typ. 35 dB (max. 38 dB)

## S/N ratio (A-weighted), re. 1 kHz at 1 Pa (94 dB SPL)

71 dB(A)

## Total Harmonic Distortion (THD)

<1% up to 125 dB SPL peak

<1% up to 122 dB SPL RMS sine

## Dynamic range

Typ. 102 dB

## Max. SPL, peak before clipping

136 dB

## Output impedance

100  $\Omega$

## Minimum load impedance

2 k $\Omega$

## Cable drive capability

Up to 300 m (984 ft)

## Output balance principle

Impedance balancing with Active Drive

## Common Mode Rejection Ratio (CMRR)

> 50 dB

## Power supply (for full performance)

48 V phantom power  $\pm 4$  V

## Current consumption

3.5 mA

## Connector

XLR-M

## Color

Black

## Polarity

+V at pin 2 for positive sound pressure

## Temperature range

-40 to 45°C (-40 to 113°F)

## Relative Humidity (RH)

Up to 90%