

## **4063: MINIATURE MICROPHONE, LO-SENS & DC**

## **4067: ADJUSTABLE MINIATURE HEADBAND, LO-SENS & DC**

The 4067 is a low DC and extra low sensitivity version of Type 4066, which it is acoustically identical to. The sensitivity is adjusted to 1mV/Pa and the DC offset in the FET lowered, making it compatible with systems delivering down to 3V power supply. The 4067 furthermore features an acoustical 6dB/octave lo-cut (-3dB at 40Hz).

Type 4063 low DC Miniature Microphone is designed to match systems delivering less than 5V power supply. Type 4063 is acoustically identical to Type 4061 but the DC offset in the amplifier is lowered.

The noise floor of the Type 4063 is 26dB(A) re. 20  $\mu$ Pa and it is able to handle sound pressure levels up to 138dB SPL peak before clipping occurs.

## **SPECIFICATIONS 4063 AND 4067**

### **Directional characteristics:**

Omnidirectional

### **Cartridge type:**

Pre-polarized condenser element with vertical diaphragm

### **Principle of operation:**

Pressure

### **Supply voltage:**

Min 3V - max 50V through DPA adaptor

### **Frequency range:**

#### **Soft boost grid:**

**4063:** 20Hz-20kHz  $\pm$ 2dB, 3dB soft boost at 8-20kHz

**4067:** 50Hz-20kHz  $\pm$ 2dB, 3dB soft boost at 8-20kHz, lo-cut -10dB at 20Hz

#### **High boost grid:**

**4063:** 20Hz-20kHz  $\pm$ 2dB, 10dB soft boost at 12kHz

**4067:** 50Hz-20kHz  $\pm$ 2dB, 10dB soft boost at 12kHz, lo-cut -10dB at 20Hz

### **Sensitivity ( $\pm$ 3dB at 1kHz):**

**4063:** Nominally 6mV/Pa; -44.5dB re. 1V/Pa

**4067:** Nominally 1mV/Pa; -60dB re. 1V/Pa

**Equivalent noise level A-weighted:**

**4063:** Typ. 26dB(A) re. 20 $\mu$ Pa  
(max. 28dB(A))

**4067:** Typ. 31dB(A) re. 20 $\mu$ Pa  
(max. 35dB(A))

**Equivalent noise level CCIR 468-1:**

**4063:** Typ. 38dB (max. 40dB)

**4067:** Typ. 42dB (max. 44dB)

**Max SPL:**

**4063:** 138dB SPL peak before clipping

**4067:** 154dB SPL peak before clipping

**Total Harmonic Distortion:**

123dB SPL peak (<1% THD);

120dB SPL RMS sine (<1% THD)

**Output impedance:**

30-40 Ohm

**Cable drive capability:**

Up to 300m (984ft)

**Dimensions:****Microphone length:**

12.7mm (0.5in)

**Microphone diameter:**

5.4mm (0.21in)

**Capsule diameter:**

5.4mm (0.21in)

**Weight:**

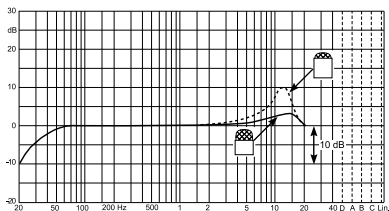
**4063:** 7.5g (0.26oz) incl. cable and  
MicroDot connector

**4067:** 14g (0.49oz) incl. cable and  
MicroDot connector

**Finish:**

**4063:** Black, beige or white

**4067:** Black or beige

**Frequency response for 4067:**

On-axis frequency response on 4067. Dotted line is with high boost grid and solid line with soft boost grid.