

MSD Type 1 Microphone Element Specifications

Size of cartridge:	½" inch
Frequency response ± 1 dB:	20 Hz -10 kHz
Frequency response ± 3 dB:	12.5 – 16 kHz
Standard:	IEC61672 Class 1
IEC 61094-4 type:	WS2F
Polarisation voltage:	0 volt
Sensitivity:	50 mV/Pa
SPL maximum (3% harm. dist.):	146 dB
Self noise:	16 dB(A)
Capacitance:	16 pF
Temperature coeff. (250 Hz):	< -0.005 dB/°C
Max. temperature:	80 °C
Static pressure coeff. :	-0.004 dB/kPa
Rel. humidity coeff. (no condens.):	-0.003 dB/%
Weight:	9 g
Length :	17 mm
Diameter:	13 mm

We can supply the frequency response of the microphone so the frequency response can easily be compensated when using the microphone for measurements.

A 48 volts preamplifier may reduce the sensitivity to about 34 mV/Pa and the self noise may be as high as 20 dBA. Contact us if you have special requirements for self noise.

MSD Standard Microphone Element Specifications

Size of cartridge:	½" inch
Frequency response ± 3 dB:	20 Hz – 16 kHz
IEC 61094-4 type:	WS2F
Polarisation voltage:	0 volt
Sensitivity:	30 mV/Pa
SPL maximum (3% harm. dist.):	130 dB
Self noise:	< 21 dB(A)
Capacitance:	17 pF
Temperature coeff. (250 Hz):	< -0.05 dB/°C
Temperature range:	0 - 40 °C
Static pressure coeff. :	-0.05 dB/kPa
Weight:	8 g
Length :	17 mm
Diameter:	13.2 mm

We can supply the frequency response of the microphone so the frequency response can easily be compensated when using the microphone for measurements.

A 48 volts preamplifier may reduces the sensitivity to 21 mV/Pa and the self noise may be as high as 21 dBA. Contact us if you have special requirements for self noise.