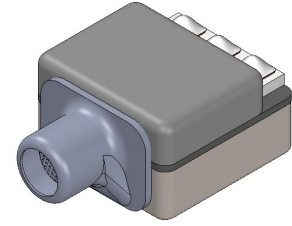


## Description

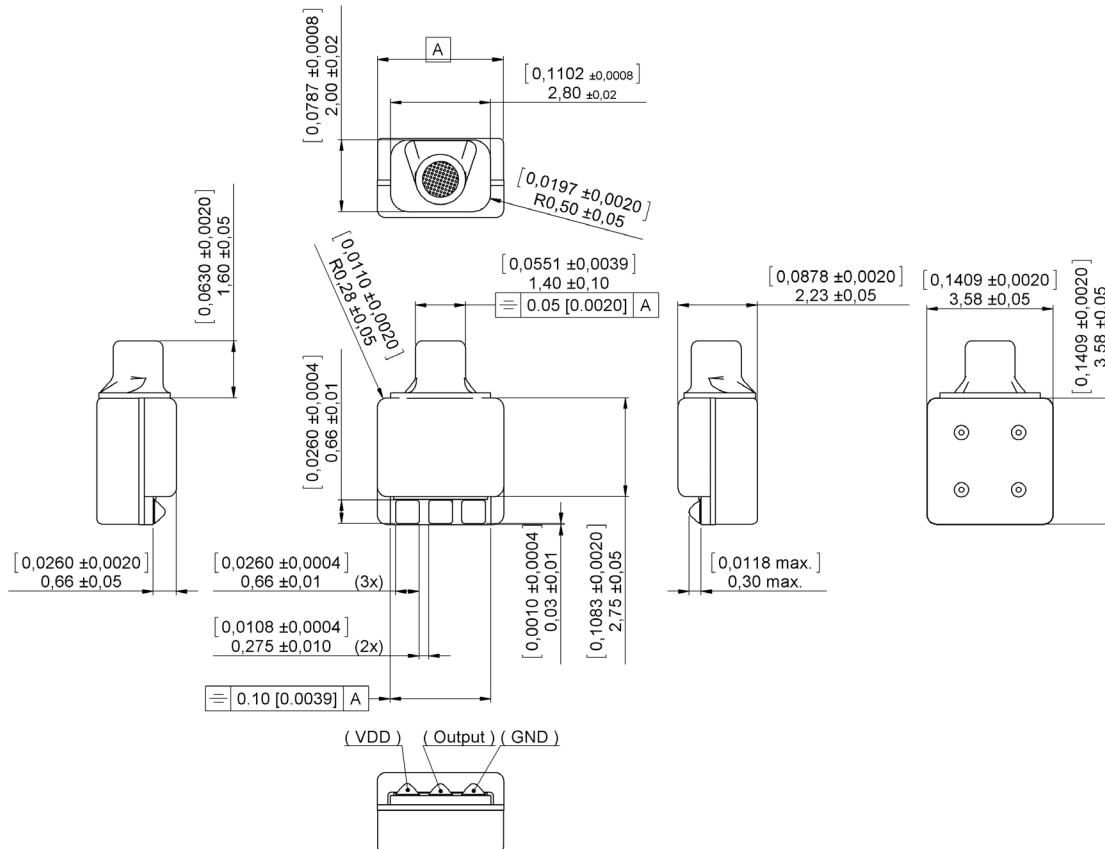
Microphone for hearing instruments provided with a special integrated amplifier to increase the sensitivity. It has a decreased sensitivity for high frequency spurious signals and an improved ESD protection



## Features

- Low noise CMOS amplifier
- Integrated cellular protection (superior EMI suppression)
- Superior ESD protection

## Product drawing - Dimensions in mm [inch]



Sonion reserves the right to make changes at any time to improve reliability, function or design, in order to provide the best product possible.

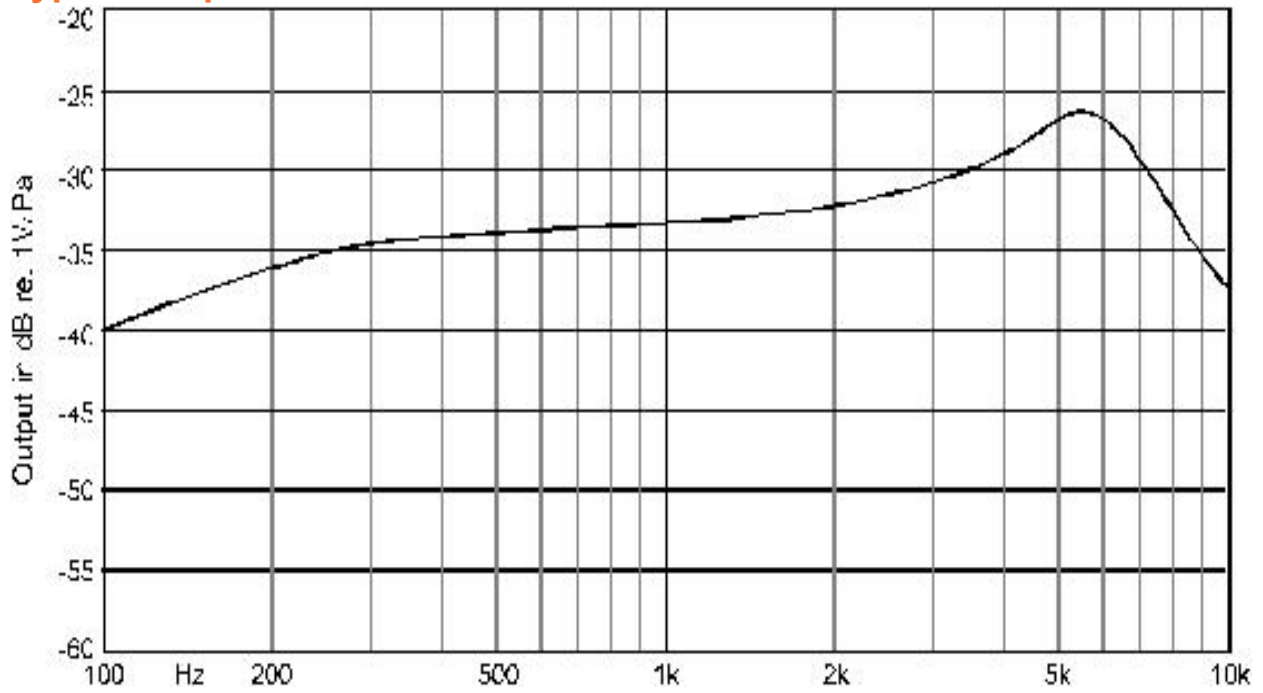
## Specifications

All parameters are specified at 1.3V and 1 MOhm // <200pF load impedance, AC coupled with 1μF, unless specified otherwise. Environmental conditions: 23°C (73.4F), 50% RH.

Parameters	Min	Typ	Max	Unit	Comments	
Sensitivity *	@ 100 Hz	-10	-6.5	-3	dB	re. 1 kHz value
	@ 1 kHz	-36	-33	-30	dB	re. 1V per Pascal
	@ 5.5 kHz	4	7	10	dB	re. 1 kHz value
Peak frequency		5.5		kHz	Approx.	
Equivalent noise (A-weighted)		24	27	dB SPL		
Battery voltage range	0.9	1.3	5	VDC		
Battery drain **	20	35	50	μA		
Output impedance ***	2	3	5.5	kOhm		
Operating temperature range	-17	23	63	°C		
Storage temperature range	-40		63	°C		
ESD protection level: Class 3 according to MIL-STD-750D, test method 1020,2.						
Apply protection in accordance with IEC 61340-5-1 and 61340-5-2.						
* Sensitivity change on reducing supply to 0.9 VDC: 3 dB max.						
** Battery drain at 0,9 VDC supply voltage: 20 μA typ.						
*** Output impedance at 0.9 VDC supply: 7.5 kOhm max.						

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## Typical response curve



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