

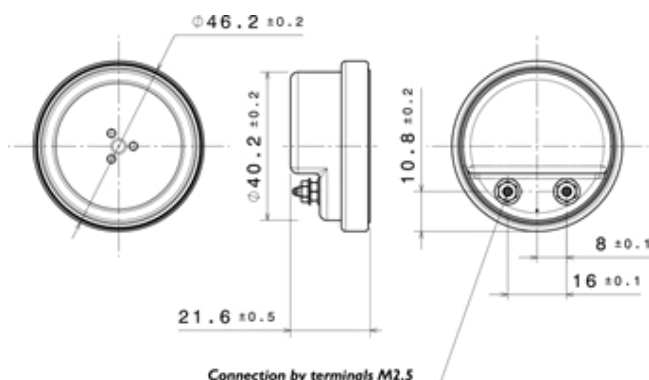


Description

Factem develops and manufacture a range of electro-acoustic transducers meeting the requirements of rugged environments.

The A4742I is a magneto-dynamic transducer dedicated to the sound-powered telephone systems. It can be used as microphone or earphone.

Dimensions (mm)



Sound-powered transducer

- Technology : Electromagnetic
- Isolation for 100VDC : >20MΩ
- Connections : Terminals with nuts

Earphone

- Impedance à 1000Hz : 600Ω
- Sensitivity at 1000Hz (at 1mW) : >130dB
- Maximum power 300mW

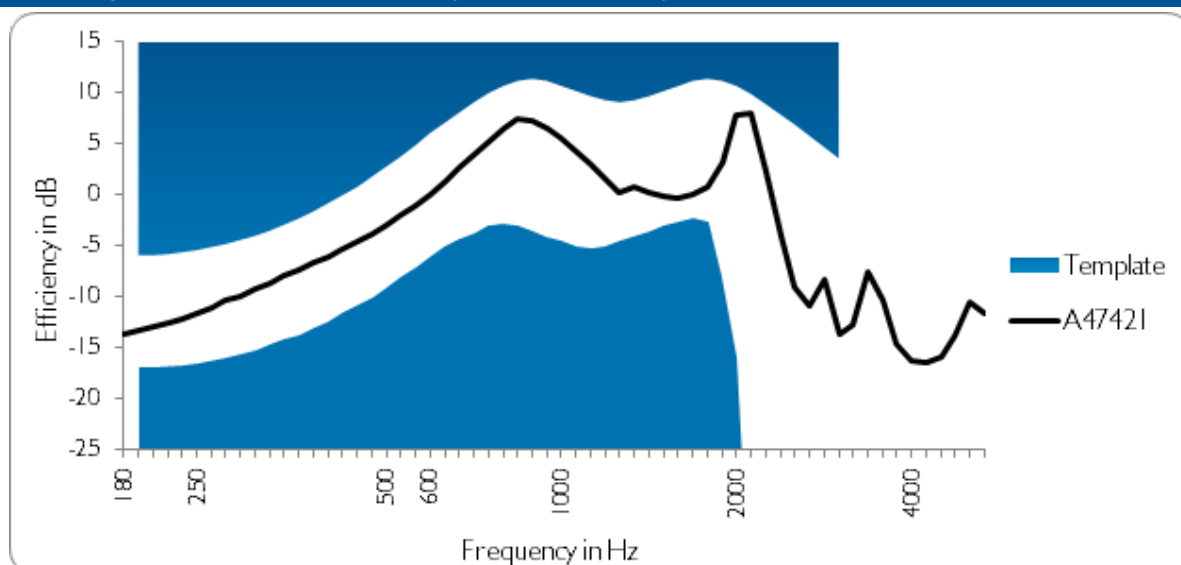
Frequency (Hz)	250	500	1000	2000	4000
Sensitivity (dB)	123.91	124.81	131.06	118.09	98.43
Distortion (%)	0.98	0.64	0.13	0.04	0.01

Microphone

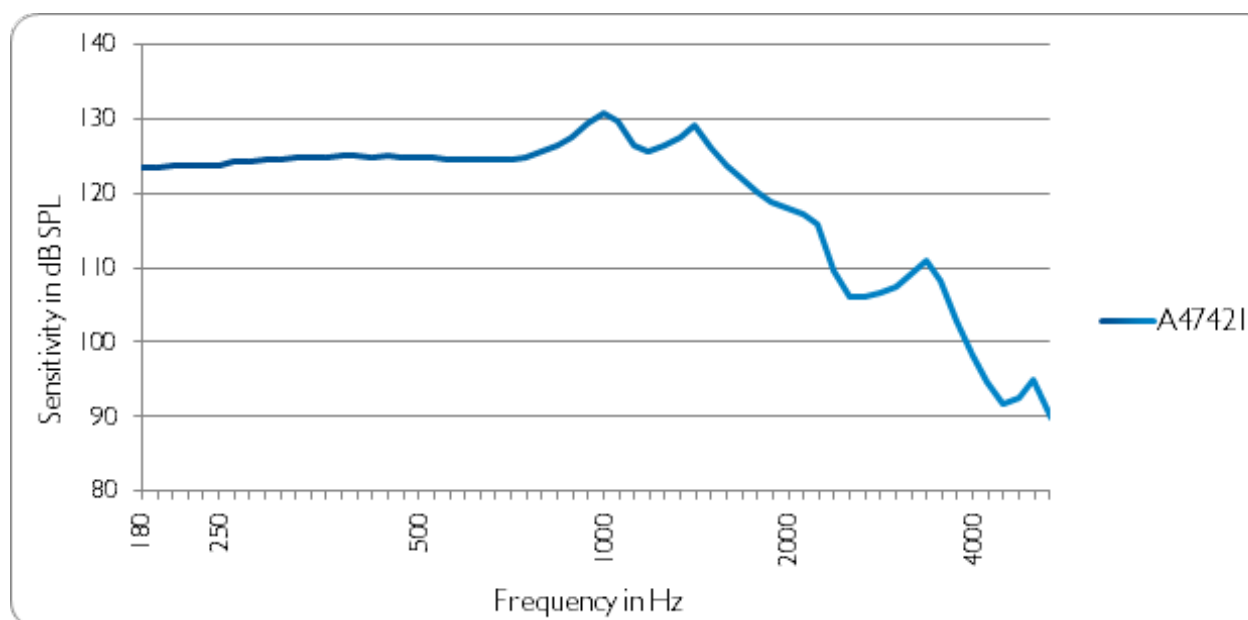
- Impedance at 1000Hz : 600Ω
- Efficiency : 17mV±/-4dB at 600Hz (on load 600 Ohms for input signal 109 dB / 6 mm)

Frequency (Hz)	250	500	600	1000	2000	4000
Efficiency (dB)	11.7-	3-	0	5.5	7.8	16.4-
Efficiency (mV)	4.42	12.03	17	32.02	41.73	2.57
Template +(dB)	5.5-	2.7	6	10.6	10.6	X

Microphone typical response curve (on load 600Ω)



Earphone typical response curve



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