Actuator Performance	
Resonant Frequency	65 Hz (±10%)
Bandwidth	10 Hz to 7 kHz[1]
Acceleration peak-to-peak[2]	4 g
Consumption RMS[2]	40 mA

[1] 98% of the haptic bandwidth and most of the audio bandwidth
[2] At the resonant frequency, a test load of 100 g and an operating voltage RMS of 0,71 V

Actuator Characteristic	
Dimensions	9.5 x 9.5 x 34 ± 0,1 mm
Total Mass	8,2 ± 0,1 gr
Moving Mass	4,5 ± 0,1 gr
Resistance[3]	4,7 Ω
Inductance[3]	120 µH
Thermal Resistance	30,7 °C/W
Max. Instant Power[3]	5 W
Max. Continuous Power[3]	2 W
Max. Operating voltage	12 Vpp

[3]The measurements were done at 20°C

Detailed Actuator Performance

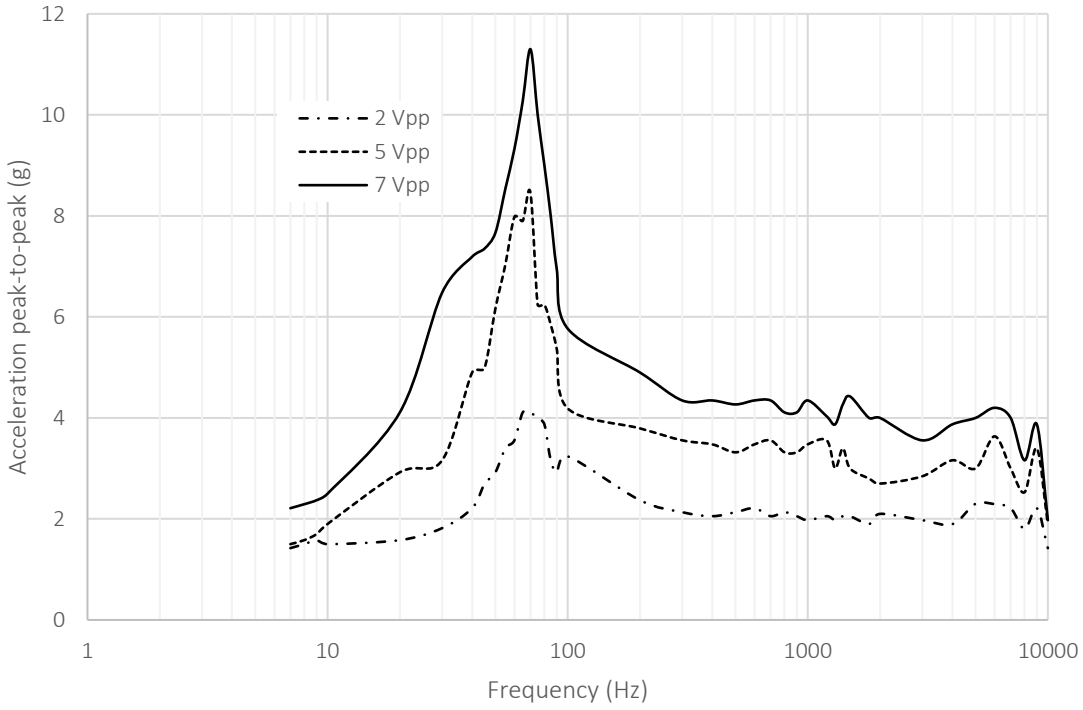
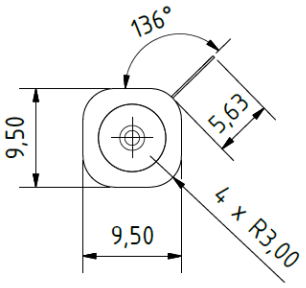
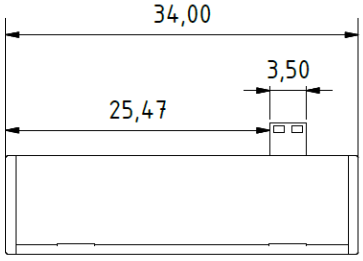
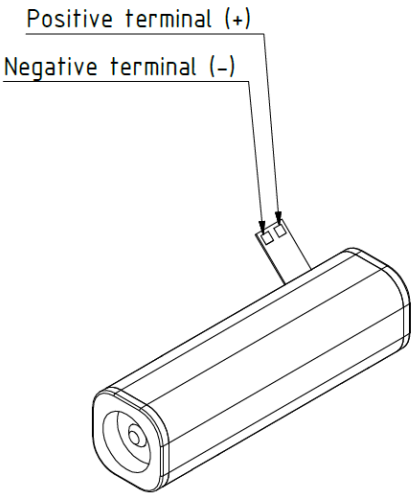


Figure 2 – **HFBA9534** Bandwidth for various amplitude command

HFBA9534 Dimensions







Tolerance: ±0.1