

$$f = 2160 * \text{sqrt} (r / ((d * D) + (r + w)))$$

f = resonant frequency of the absorber in Hertz (Hz)

r = slot width in inches

w = slat width in inches

d = effective depth of slot in inches (1.2 x the actual thickness of the slat)

D = airspace depth (depth of box behind the slots) in inches