



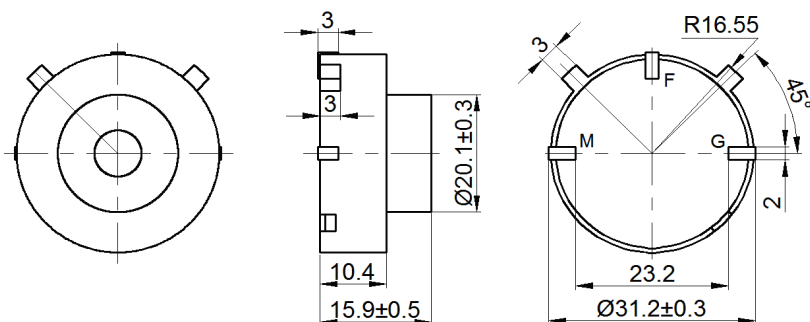
SMD buzzer for alarm applications
where $SPL \geq 85dB@3m$ is required.

CHARACTERISTICS

Rated Voltage [V]	12
Operating Voltage [V]	6~16
Current Consumption [mA]*	≤ 30
Sound Output [dB rel 20 μ Pa]*	$\geq 85@300$ cm
Resonance Frequency [Hz]*	3200 ± 500 Hz
Weight [g]	6

*Specified at rated voltage (resonant frequency, 1/2 duty, square wave).

PHYSICAL DIMENSIONS [mm]



PERFORMANCE OPTIMIZATION

The sound pressure level (SPL) of the buzzer is affected by the design of the enclosure chosen for the application.

To avoid phase-cancellation, the buzzer can be placed flush with the outer enclosure (fig. 1) or an internal baffle of min $\varnothing 80$ mm (rectangular will also work) can be used inside the enclosure (fig. 2). Tall components on the PCB may also act as reflectors and thus eliminate the need for an internal baffle.

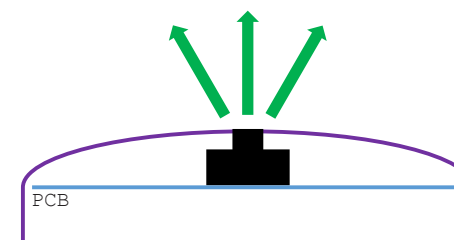


Fig. 1: Buzzer placed flush with the outer enclosure

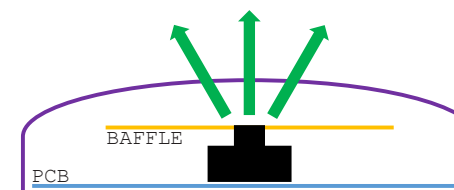


Fig. 2: Anti-phase reflections blocked by internal baffle of min. $\varnothing 80$ mm.