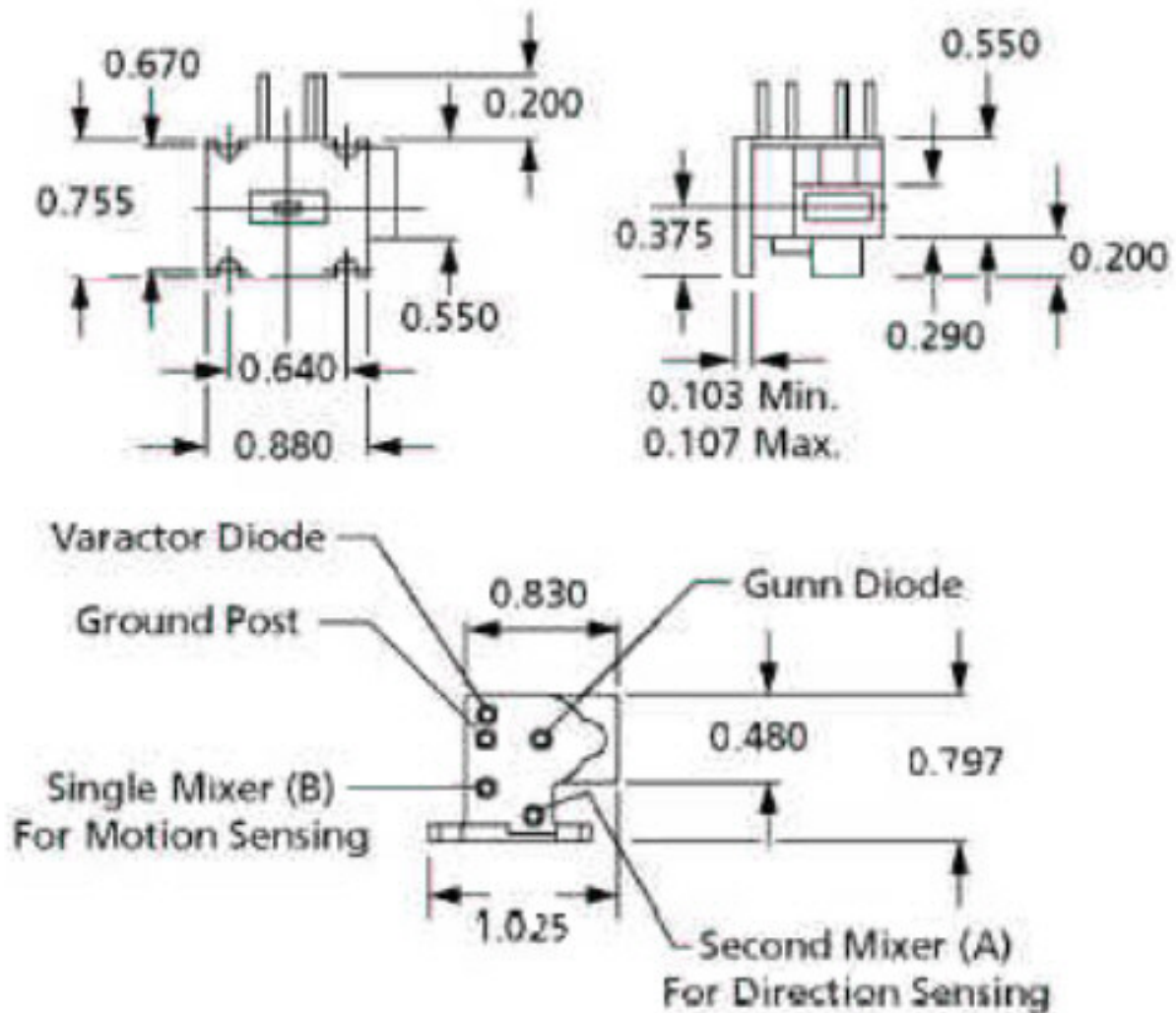


**5 mw Gunn diode, two direction-sensing detector diodes,
and one varactor control diode**



Dimensions are in inches (mm).

This unit produces 5 milliwatts of RF at 24.125 ghz. It includes a varactor modulation/frequency-control diode, and two detector diodes capable of measuring direction and speed of movement.

Gunn voltage = 5 vdc at 150 ma.

Varactor voltage +0.5 to +20 vdc (AC or digital modulation may be applied to this bias dc voltage) 50 Mhz shift

Frequency drift = 1 Mhz/degree Centrigrade