RCWL-0516 3.2GHz motion detector
(U1 is RCWL-9196)

NOTES: UNLESS OTHERWISE SPECIFIED

1. All capacitor values in µF, all resistor values in ohms.
2. R5 and R6 on boards in hand are 22K, 15K in images from web.
3. Parasitic capacitances around Q1 not shown.

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Notes:
1. BISS0001: 8 is Vref/Reset# and 11 is VDD in (3-5V)
2. MODE: 1 = Re-triggerable, 0 = Non Re-triggerable
3. IB: Op-amp input bias current setting
4. Tx: Time VOUT remains high after triggering, ~24576 x R x C
5. Ti: During this time period, triggering is inhibited, ~24 x R x C
At 3175MHz, wavelength = 9.45cm
1/2 wavelength = 4.725cm

38cm / 8 peaks = 4.75cm/peak
4.75cm is pretty close to 4.725cm