## NOTES: 1. ELECTRICAL SPECIFICATIONS: CENTER FREQUENCY = 1575.42±3.00 MHz DEFINITION OF CENTER FREQ: MIDPOINT OF -10 dB S11 BANDWIDTH BANDWIDTH AT -10 dB S11: 8 MHz RETURN LOSS: -14 dB MIN. @ CENTER FREQUENCY BORE SIGHT AXIAL RATIO: 3 dB AT CENTER FREQUENCY GAIN: 2 dBic AT CENTER FREQUENCY RIGHT HAND CIRCULAR POLARIZATION IMPEDANCE: 50 OHMS 2. SPECIFICATIONS ARE FOR UNPACKAGED ANTENNA. 3. FOOTPRINT AND ELECTRICAL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONSULT SPECTRUM FSY MICROWAVE FOR SPECIFIC APPLICATIONS. 4. TESTING TO BE PERFORMED ON AN ALUMINUM GROUND PLANE. 1.375 [35MM] X 1.375 [35MM] INCHES, IN FREE SPACE. 5\MEASUREMENT FOR PIN IS TAKEN FROM FACE OF ADHESIVE (.005 DIM) WITH PAPER REMOVED. 6. DIMENSIONS IN BRACKETS IN MILLIMETERS. .166 MAX/.156 MIN [4.2 MAX/3.9 MIN] -.085 [2.2] .005 [0.13] **ADHESIVE** .050 [1.27] $.492^{+.010}_{-.020}$ [12.50 $^{+.25}_{-.51}$ ] MAXø.093 [2.36] 3X R.050 [1.3] -SILVER SPOTFACE .250 [6.35] MAX.984+.010 [24.99<sup>+.25</sup>] $.492^{+.010}_{-.020}$ [12.50 $^{+.25}_{-.51}$ ] ø.030±.001 [0.76] PIN .075±.015 [1.91±0.38]

.050 [1.28] MAX

GAP (TO EDGE

