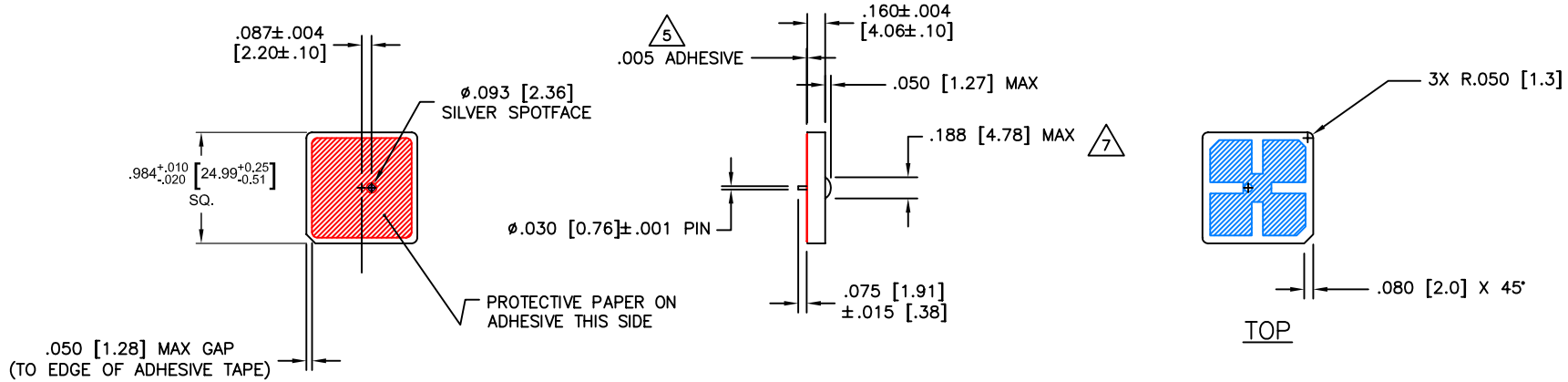
NOTES:

1. ELECTRICAL SPECIFICATIONS:
   CENTER FREQUENCY = 1227±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 CONTROL FOR SPECIFIC APPLICATIONS.
4. TESTING TO BE PERFORMED ON AN ALUMINUM GROUND PLANE, 2.362 [60MM] X 2.362 [60MM] 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.
7. SOLDER AROUND PIN HEAD MUST NOT FLOW ONTO UN−SILVERED PORTION OF CERAMIC SUBSTRATE.



02

RoHS compliant

REV. NO.	CHANGE NOTICE	REDRAWN
02	CN 51226−ENG	
01	CN 41215−ENG	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.
DO NOT SCALE.
THIRD ANGLE

TOLERANCES UNLESS OTHERWISE SPECIFIED
Fractions ± 1/64
Dec. .xx± .01
Dec. .xxx± .005
Angles ±0° 30'
CODE IDENT. NO. OLSP2

SPECTRUM CONTROL INC.
FAIRVIEW PENNSYLVANIA

Dwn. KAUFFMAN
Date 10−7−09
Engr. J. KRAUS
Sheet ___of___

Description
SALES DRAWING
PA25−1227−008SA

STO−5001

Quality Products From The Specialists In Electro−Magnetic Compatibility