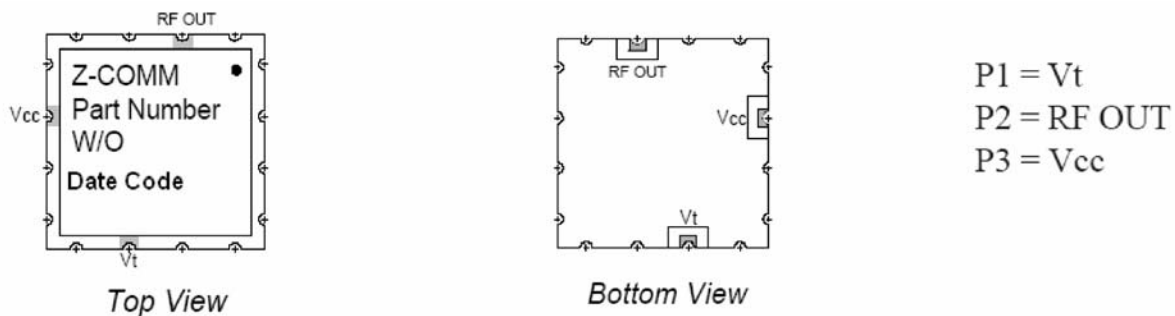


## Marking Orientation and Tape Placement of Z-COMM VCOs

The proper orientation of Z-COMM VCOs can be determined by a reference marker etched on the shield of the VCO. All text is laser marked on the shield of the VCO. This application note shows the location of marker on surface mount packaged devices. Also, it demonstrates the placement of the SUB and MINI package into tape and reel packaging.

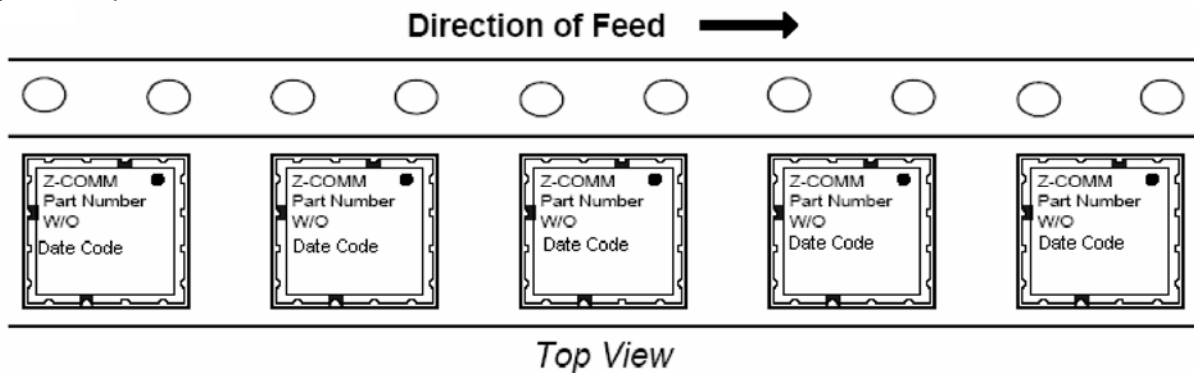
The orientation marker is positioned in the upper right hand corner of the VCO shield. This indicates the referencing mark for the location of the RF output, tuning voltage, and supply voltage ports. This is standard marking for all Z-COMM VCO package styles.

Figure 1: Orientation Laser Marking: SUB, MINI Package



Z-COMM SUB and MINI package VCOs are available in carrier tape. These devices are placed in the embossed cavity of the tape and positioned as shown in figure 2. This illustration should assist in the setup of assembly equipment to correctly pick and place Z-COMM VCOs onto printed circuit boards.

Figure 2: Tape Placement



Note: SUB and MINI package carrier tape conforms to EIA-481-2 standard.