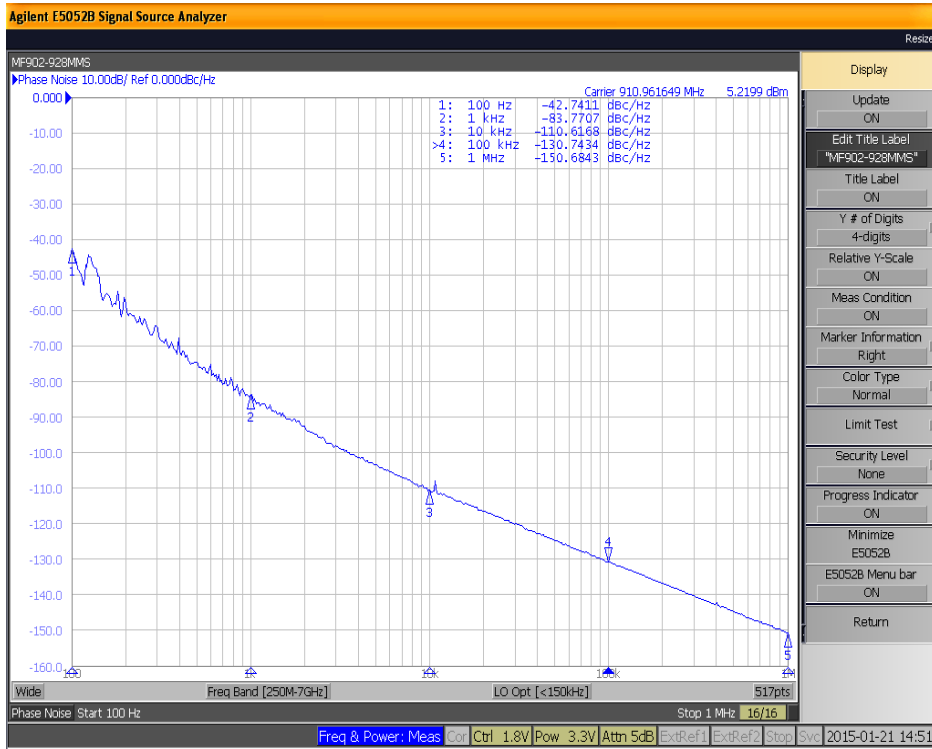


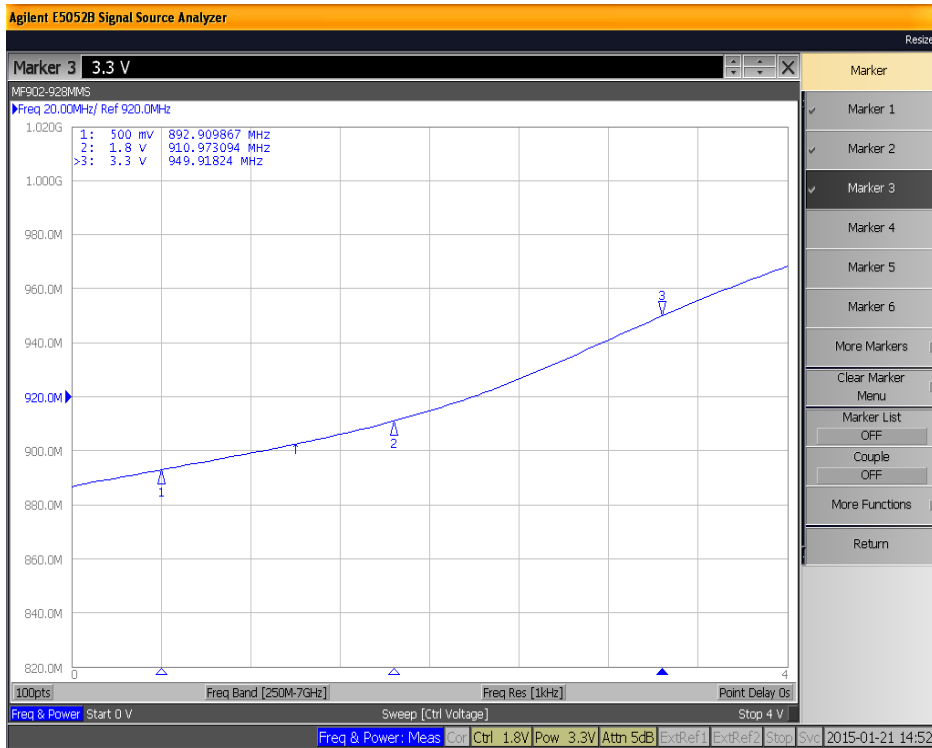
MF902-928MMS MMS Package

| Performance Specification | Min | Typ | Max | Units |
|-----------------------------|-----|------|------|--------|
| Frequency Range | 902 | - | 928 | MHz |
| Tuning Voltage | 0.3 | - | 3.3 | Vdc |
| Vcc | 3 | 3.3 | 3.6 | Vdc |
| Icc | - | 13 | 15 | mA |
| Output Power | 5 | +5.8 | +6.5 | dBm |
| 2nd Harmonic | - | -16 | -14 | dBc |
| Pushing | - | 0.2 | 0.5 | 2 |
| Pulling P-P 14dB Rtn Loss | - | 0.3 | 0.8 | MHz |
| Tuning Port Capacitance | - | 27 | - | pF |
| Load Impedance | - | 50 | - | Ohms |
| Phase Noise @ 1KHz Offset | - | -84 | -82 | dBc/Hz |
| Phase Noise @ 10KHz Offset | - | -110 | -109 | dBc/Hz |
| Phase Noise @ 100KHz Offset | - | -130 | -129 | dBc/Hz |
| Tuning Sensitivity (Kvco) | 12 | - | 28 | MHz/V |
| Frequency Drift @ -40 C | - | - | - | MHz |
| Frequency Drift @ +85 C | - | - | - | MHz |
| Power vs Temp @ -40 C | - | - | - | dBm |
| Power vs Temp @ +85 C | - | - | - | dBm |
| Operating Temperature | -40 | - | +85 | C |
| Storage Temperature | -55 | - | +125 | C |
| Package Style | | MMS | | |

Phase Noise (1 Hz Bandwidth Typ)



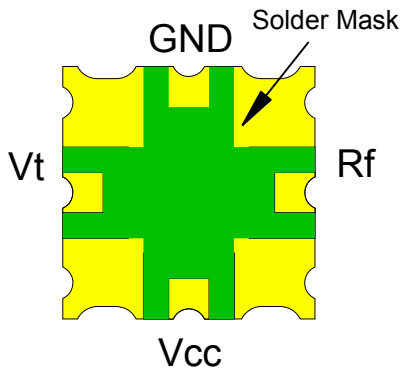
Frequency vs Tuning Voltage



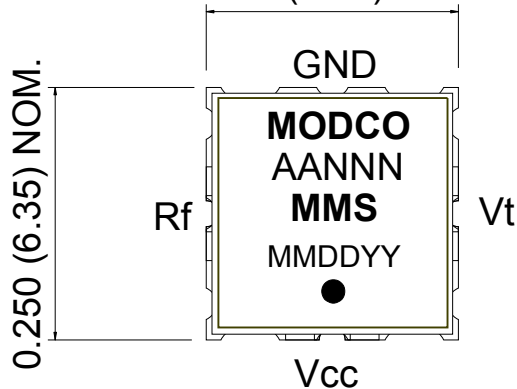
MMS Package dimensions (Units; inches (mm))



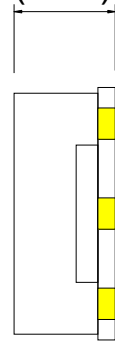
BOTTOM VIEW



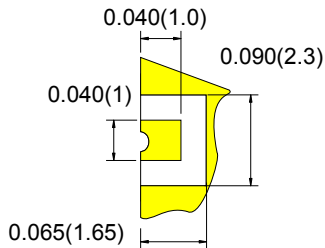
TOP VIEW



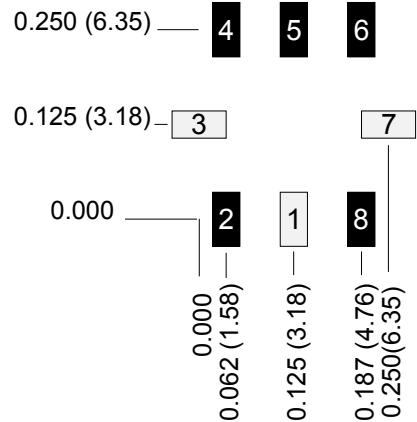
SIDE VIEW



PAD DETAIL



PCB pad layout

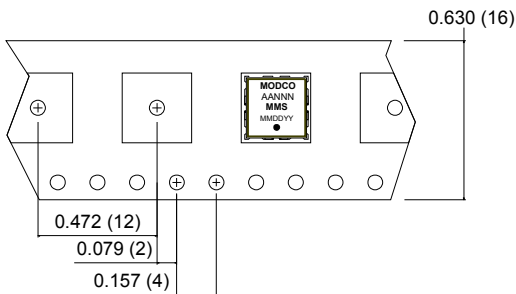


| PIN | CON. |
|--------|------|
| 1 | Vcc |
| 3 | Rf |
| 7 | Vt |
| Others | Gnd |

Notes:

1. The case is ground.
2. Unless otherwise specified all dimensions are in inches.
3. Unless otherwise specified finish is 150-250 micro inches electroless nickel over copper clad PCB, 2-5 micro inches immersion gold, over nickel

Tape and Reel (Units inches (mm))



Part labeling

Part number: AA=Alpha pre-fix, product family or custom part designator.
 NNNN=Numeric, part number
 Part type: 3 digit alpha part type designator
 Date code: MM=month, DD=day, YY=year
 Label material is high temp. polyester film, opaque white, with black marking.

