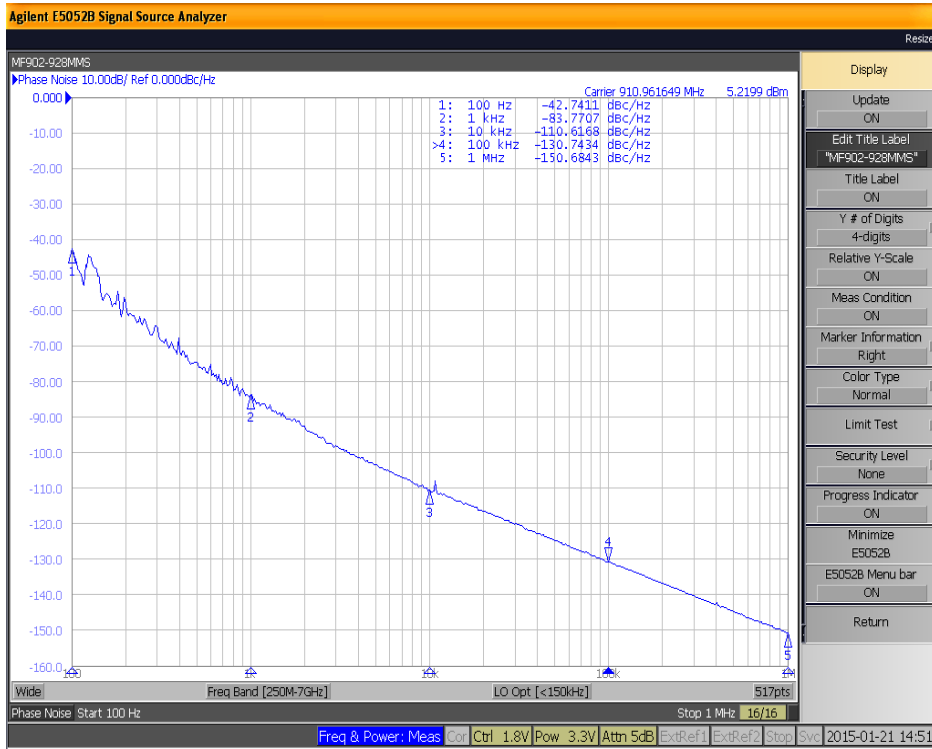


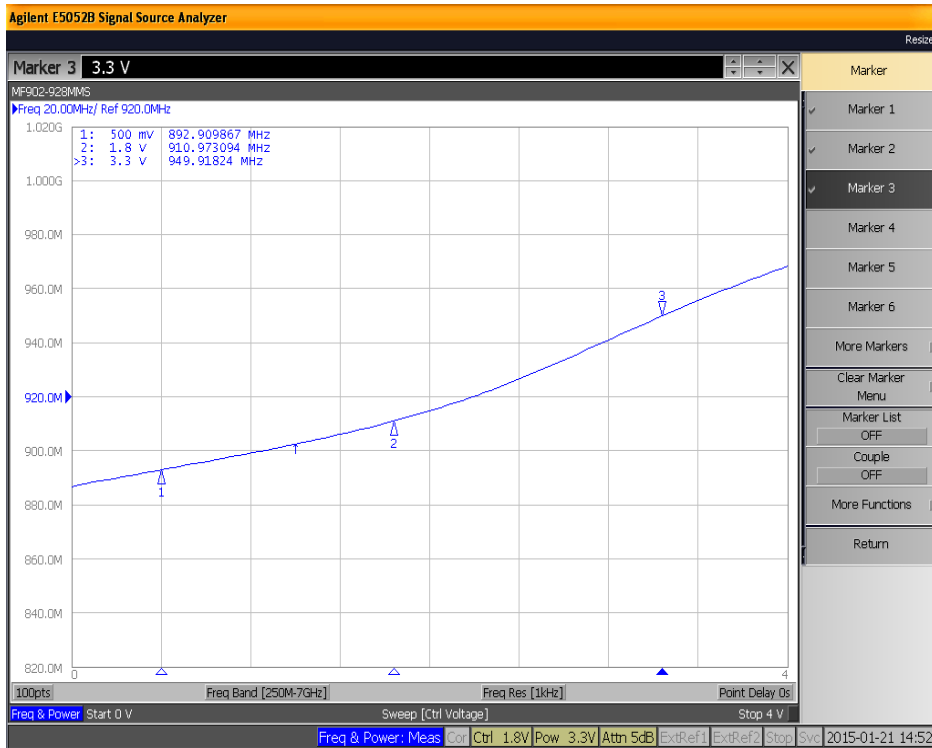
## MF902-928MMS MMS Package

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)**



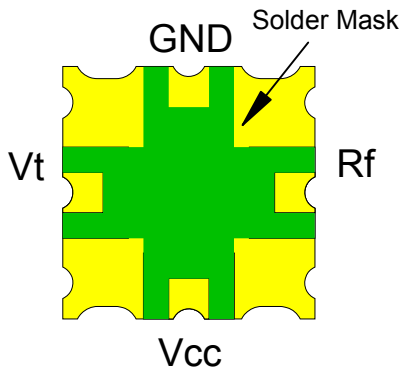
**Frequency vs Tuning Voltage**



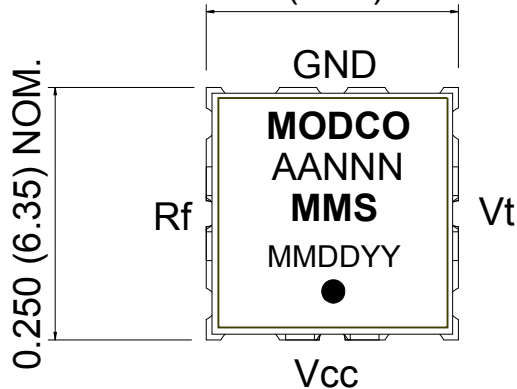
# MMS Package dimensions (Units; inches (mm))



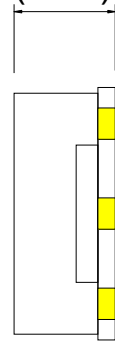
## BOTTOM VIEW



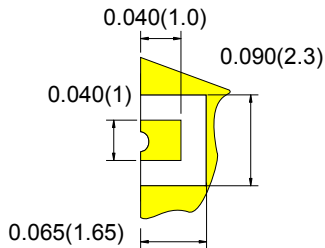
## TOP VIEW



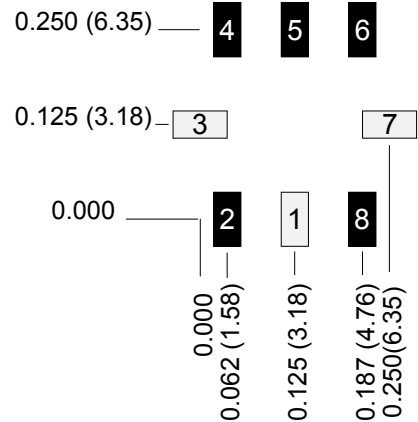
## SIDE VIEW



## PAD DETAIL



## PCB pad layout

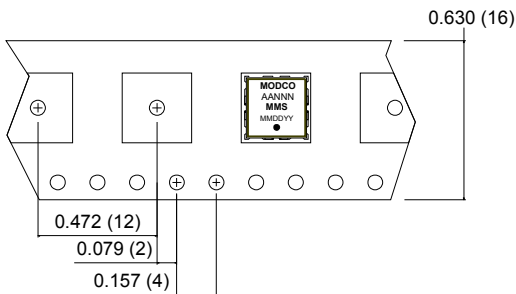


PIN	CON.
1	Vcc
3	Rf
7	Vt
Others	Gnd

### 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.

