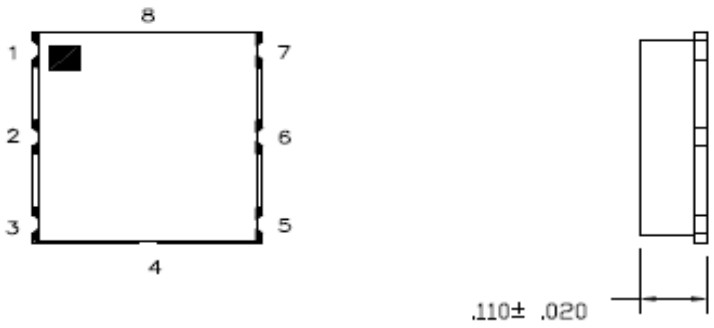
VCO 173199SMxy5

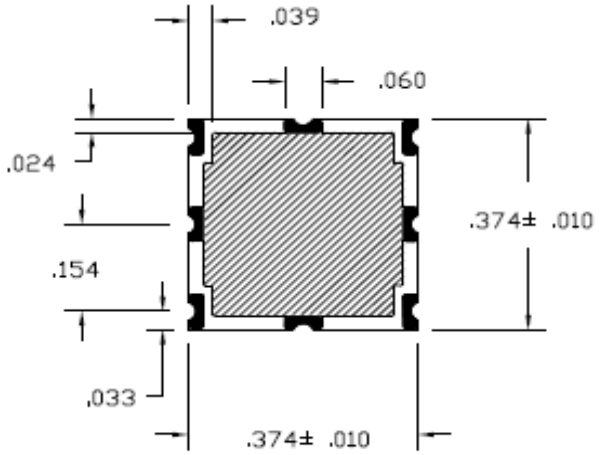
rev_0	initial rev
rev_1	temp and ht

	MIN	TYP	MAX	UNITS	NOTES	Production Test	First Article Test
Frequency Range	1735		1995	MHz	1	..	..
Tuning Voltage	0		11	V	1,8	..	..
Vtune @ 1735MHz	1	2.5		V	1	..	..
Vtune @ 1995MHz		8.3	9	V	1	..	..
Modulation Sensitivity	40		58	MHz/V	1	..	..
Operates with Vtune = 0V					1	..	..
Output Power	3	5	7	dBm	1	..	..
Phase Noise @							
1 KHz Offset		-69	-64	dBc/Hz	3	..	..
10 KHz Offset		-99	-94	dBc/Hz	1	..	..
100 KHz Offset		-120	-114	dBc/Hz	1	..	..
1 MHz Offset		-140	-135	dBc/Hz	1	..	..
10 MHz Offset		-160	-154	dBc/Hz	1	..	..
Pushing		1	2.5	MHz/V	3	..	..
Pulling (12dB RL, any phase)		6	10	MHz_{p-p}	3	..	..
Modulation Bandwidth		-		MHz	4	..	..
Tuning Port Capacitance		33		pF	2	..	..
Harmonics		-15	-10	dBc	3	..	..
Vcc	4.75	5.00	5.25	V	1		
Icc		21	30	mA	1	..	..
Operating Temperature	-40		+90	C	3	..	..
Storage Temperature	-55		+125	C	3		
Package		Smxy			6,7	..	..
LxW		0.374		inch sq.	5	..	..
Height		0.110		inch	5	..	..

Notes

1. Tested in production, and guaranteed
2. Per current design, not a tested parameter
3. Sample tested from production lot
4. Not a tested or guaranteed design goal
5. By inspection
6. See attached mechanical
7. Solder mask on bottom layer
8. Unit must operate with continuous positive voltage to frequency slope under all operating conditions





PIN OUT FOR VCO	
PIN	APPLICATION
1	Vt
3	VCC
5	RF OUT
7	MODULATION (OPT)

ALL OTHER PINS ARE GROUND