



VCO 0612SM12

rev_A

PR

	<u>MIN</u>	<u>TYP</u>	<u>MAX</u>	<u>UNITS</u>	<u>NOTES</u>	<u>Production Test</u>	<u>First Article Test</u>
Frequency Range	600		1200	MHz	1	..	..
Tuning Voltage	0.5		18	V	1	..	..
Modulation Sensitivity	25		50	MHz/V	1	..	..
Operates with Vtune = 0V					1	..	..
Output Power	8	10	12	dBm	1	..	..
Phase Noise @						..	..
1 KHz Offset		-72		dBc/Hz	1	..	..
10 KHz Offset		-97		dBc/Hz	1	..	..
100 KHz Offset		-127		dBc/Hz	1	..	..
1 MHz Offset		-147		dBc/Hz	1	..	..
Pushing		0.5		MHz/V	3	..	..
Pulling (12 dB R.L.)		9		MHz	3	..	..
Modulation Bandwidth		20		MHz	4	..	..
Tuning Port Capacitance		100		pF	2	..	..
Harmonics		-18	-10	dBc	3	..	..
Vcc		12		V		..	..
Icc		34	40	mA	1	..	..
Operating Temperature	-40		+85	C	3	..	..
Package		SM				..	..
LxW		0.500		inch sq.	5	..	..
Height		0.220		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