



VCO R096176SMA5

rev_1
rev_2

initial rev
Kv, Icc, TPC

	<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	960		1760	MHz	1	..	..
Tuning Voltage	0		12	V	1	..	..
Modulation Sensitivity	25	90	160	MHz/V	1	..	..
Operates with Vtune = 0V					1	..	..
Output Power	0	2	4	dBm	1	..	..
Phase Noise @							
1 KHz Offset		-69		dBc/Hz	3	..	..
10 KHz Offset		-95		dBc/Hz	1	..	..
100 KHz Offset		-115		dBc/Hz	3	..	..
1 MHz Offset		-125		dBc/Hz	3	..	..
Pushing		2		MHz/V	3	..	..
Pulling (12 dB R.L.)		9		MHz	3	..	..
Modulation Bandwidth		11		MHz	4	..	..
Tuning Port Capacitance			100	pF	2	..	..
Harmonics			-13	dBc	3	..	..
Sub-Harmonics		N/A		dBc	3	..	..
Vcc		5		V	5	..	..
Icc		29		mA	3	..	..
Operating Temperature	-40		+85	C	3	..	..
Package		SMA			6	..	..
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
6. RoHS compliant