



VCO R166169SMM3R3

rev_0

initial rev

	<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	1668		1690	MHz	1	..	..
Tuning Voltage	0.7		2.4	V	1	..	..
Modulation Sensitivity	25		55	MHz/V	1	..	..
Operates with Vtune = 0V					1	..	..
Output Power	-3	0	3	dBm	1	..	..
Phase Noise @							
1 KHz Offset		-		dBc/Hz	1	..	..
10 KHz Offset		-85		dBc/Hz	1	..	..
100 KHz Offset		-105		dBc/Hz	1	..	..
1 MHz Offset		-125		dBc/Hz	1	..	..
10 MHz Offset		-145		dBc/Hz	1	..	..
Pushing		5		MHz/V	3	..	..
Pulling (12dB RL, any phase)		5		MHz _{p-p}	3	..	..
Modulation Bandwidth		1		MHz	4	..	..
Tuning Port Capacitance		47		pF	2	..	..
Harmonics		-10		dBc	3	..	..
Vcc	3.2	3.3	3.4	V		..	..
Icc			10	mA	1	..	..
Operating Temperature	-40		+65	C	3	..	..
Package		SMM			6	..	..
LxW		0.300		inch sq.	5	..	..
Height		0.080		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
7. Design goal subject to change