



VCO R1000SMUB6R5CR

rev_0
rev_1

initial rev
Vcc adjusted

	<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		1000		MHz	1	..	..
Tuning Voltage	0.5		4.5	V	1	..	..
Modulation Sensitivity		2.0		MHz/V	1	..	..
Operates with Vtune = 0V					1	..	..
Output Power	7	9	11	dBm	1	..	..
Phase Noise @							
1 KHz Offset		-105	-100	dBc/Hz	1	..	..
10 KHz Offset		-130	-125	dBc/Hz	1	..	..
100 KHz Offset		-150	-145	dBc/Hz	1	..	..
1 MHz Offset		-164	-155	dBc/Hz	1	..	..
10 MHz Offset		-164	-155	dBc/Hz	1	..	..
Pushing		0.1	0.2	MHz/V	3	..	..
Pulling (12dB RL, any phase)		0.3	0.5	MHz _{p-p}	3	..	..
Modulation Bandwidth		1		MHz	4	..	..
Tuning Port Capacitance		47		pF	2	..	..
Harmonics		-20	-10	dBc	3	..	..
Vcc		6.5		V		..	..
Icc		28		mA	1	..	..
Operating Temperature	-40		+85	C	3	..	..
Package		SMUB			6	..	..
LxW		0.750		inch sq.	5	..	..
Height		0.250		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