



VCO R5660SMUA8_DBL

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	5600		6000	MHz	1	..	..
Tuning Voltage	1		11	V	1	..	..
Modulation Sensitivity		120		MHz/V	1,7	..	..
Operates with Vtune = 0V					1	..	..
Output Power - Fundamental	-4	-1	2	dBm	1	..	..
Output Power - Half Frequency	-10	-5	0	dBm	3	..	..
Phase Noise @							
1 KHz Offset		-65	-60	dBc/Hz	1	..	..
10 KHz Offset		-92	-87	dBc/Hz	1	..	..
100 KHz Offset		-112	-107	dBc/Hz	1	..	..
1 MHz Offset		-132	-127	dBc/Hz	1	..	..
10 MHz Offset		-152	-147	dBc/Hz	1	..	..
Pushing		5	10	MHz/V	3	..	..
Pulling (12dB RL, any phase)		1	2	MHz _{p-p}	3	..	..
Modulation Bandwidth		1		MHz	4	..	..
Tuning Port Capacitance		47		pF	2	..	..
Harmonics		-18	-14	dBc	3	..	..
Sub-Harmonics		-20	-10	dBc	3	..	..
Vcc		8.0		V		..	..
Icc		51		mA	1	..	..
Operating Temperature	-40		+85	C	3	..	..
Package		SMUA_DBL			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
7. Design goal subject to change