



VCO 3500SMUA5CR

rev_0

initial rev

						Production	First Article
	<u>MIN</u>	<u>TYP</u>	<u>MAX</u>	<u>UNITS</u>	<u>NOTES</u>	<u>Test</u>	<u>Test</u>
Frequency Range		3500		MHz	1	☐	☐
Tuning Voltage	0.5		4.5	V	1	☐	☐
Modulation Sensitivity		2.5		MHz/V	1	☐	☐
Operates with Vtune = 0V					1	☐	☐
Output Power	6	8	10	dBm	1	☐	☐
Phase Noise @							
1 KHz Offset		-93	-88	dBc/Hz	1	☐	☐
10 KHz Offset		-118	-113	dBc/Hz	1	☐	☐
100 KHz Offset		-138	-133	dBc/Hz	1	☐	☐
1 MHz Offset		-158	-153	dBc/Hz	1	☐	☐
10 MHz Offset		-164	-159	dBc/Hz	1	☐	☐
Pushing		0.1		MHz/V	3	☐	☐
Pulling (12dB RL, any phase)		1.5		MHz _{p-p}	3	☐	☐
Modulation Bandwidth		1		MHz	4	☐	☐
Tuning Port Capacitance		20		pF	2	☐	☐
Harmonics		-15	-8	dBc	3	☐	☐
Vcc		5		V	5	☐	☐
Icc		30		mA	1	☐	☐
Operating Temperature	-40		+85	C	3	☐	☐
Package		SMUA					
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

EDF

sig

date

PJE

sig

date