



VCO 1500SMUA6R5CR

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		1500		MHz	1	☐	☐
Tuning Voltage	0.5		4.5	V	1	☐	☐
Modulation Sensitivity	3.5	4.0	4.5	MHz/V	1	☐	☐
Operates with Vtune = 0V					1	☐	☐
Output Power	6	8	10	dBm	1	☐	☐
Phase Noise @							
100 Hz Offset		-75	-70	dBc/Hz	1	☐	☐
1 KHz Offset		-100	-95	dBc/Hz	1	☐	☐
10 KHz Offset		-125	-120	dBc/Hz	1	☐	☐
100 KHz Offset		-145	-140	dBc/Hz	1	☐	☐
1 MHz Offset		-164	-155	dBc/Hz	1	☐	☐
10 MHz Offset		-		dBc/Hz	1	☐	☐
Pushing		0.2		MHz/V	3	☐	☐
Pulling (12dB RL, any phase)		2		MHz _{p-p}	3	☐	☐
Modulation Bandwidth		1		MHz	4		
Tuning Port Capacitance		47		pF	2		
Harmonics		-20	-8	dBc	3	☐	☐
Vcc	6.3375	6.5000	6.6625	V	5	☐	☐
Icc		27		mA	1	☐	☐
Operating Temperature	0		+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	3/25/2011
sig	date
PJE	3/25/2011
sig	date