VCO R8000SMUAM8CR_100

rev_0	initial rev
rev_1	Vt,Pout, PN, Icc
rev_2	Pout, Vtune
	Mask
rev_3	Kv, Freq, Pout
	PN, Icc

	MIN	TYP	MAX	UNITS	NOTES	Production Test	First Article Test
Frequency Range		8000		MHz	1	..	..
Tuning Voltage	0.5		9.5	V	1	..	..
Vtune @+25C and 8GHz	3		5	V	1	..	..
Freq. @+25C and Vtune = 1V			7980	MHz	1	..	..
Freq. @+25C and Vtune = 8V	8030			MHz	1	..	..
K_v @Vtune = 3V	15		37	MHz/V	1	..	..
K_v @Vtune = 4V	12		33	MHz/V	1	..	..
K_v @Vtune = 5V	9		30	MHz/V	1	..	..
Operates with Vtune = 0V					1	..	..
Output Power - Fundamental	-1	1.5	4	dBm	1	..	..
Phase Noise @							
1 KHz Offset		-73		dBc/Hz	1	..	..
10 KHz Offset		-100		dBc/Hz	1	..	..
100 KHz Offset		-120		dBc/Hz	1	..	..
1 MHz Offset		-140		dBc/Hz	1	..	..
10 MHz Offset		-160		dBc/Hz	1	..	..
Pushing		5		MHz/V	3	..	..
Pulling (12dB RL, any phase)		0.5		MHz_{p-p}	3	..	..
Modulation Bandwidth		1		MHz	4	..	..
Tuning Port Capacitance		20		pF	2	..	..
Harmonics		-15	-10	dBc	3	..	..
Vcc	7.75	8.0	8.25	V			
Icc		46	61	mA	1	..	..
Operating Temperature	-40		+85	C	3	..	..
Package		SMUAM			6,8	..	..
LxW		0.500		inch sq.	5	..	..
Height			0.103	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
8. Bottom of the pcb has solder mask