



VCO R1150SMUA5CR

rev_0

initial rev

						Production	First Article
	MIN	TYP	MAX	UNITS	NOTES	Test	Test
Frequency Range		1150		MHz	1	☐	☐
Tuning Voltage	1		11	V	1	☐	☐
Modulation Sensitivity		1		MHz/V	1	☐	☐
Operates with Vtune = 0V					1	☐	☐
Output Power	0	2	4	dBm	1	☐	☐
Phase Noise @							
1 KHz Offset		-104	-100	dBc/Hz	1	☐	☐
10 KHz Offset		-128	-123	dBc/Hz	1	☐	☐
100 KHz Offset		-145	-140	dBc/Hz	1	☐	☐
1 MHz Offset		-147	-142	dBc/Hz	1	☐	☐
Pushing		0.1	0.2	MHz/V	3	☐	☐
Pulling (12dB RL, any phase)		0.05	0.1	MHz _{p-p}	3	☐	☐
Modulation Bandwidth			1	MHz	4	☐	☐
Tuning Port Capacitance			10	pF	2	☐	☐
Harmonics		-16	-10	dBc	3	☐	☐
Vcc		5.0		V			
Icc		50		mA	1	☐	☐
Operating Temperature	-40		+85	C	3	☐	☐
Package		SMUA			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. Parylene Conformal Coating
8. Foam Filled
9. Conformal Coating and Foam Fill
10. Design goal subject to change