

Voltage Controlled Oscillator

ROS-ED12744/1

Typical Performance Data

V TUNE	TUNE SENS (MHz/V)	FREQUENCY (MHz)			POWER OUTPUT (dBm)			HARMONICS (dBc)			FREQ. PUSH (MHz/V)	FREQ OFFSET (KHz)	PHASE NOISE (dBc/Hz)
		-55°C	+25°C	+85°C	-55°C	+25°C	+85°C	F2	F3	F4			
0.0	47.98	1130.0	1121.9	1114.9	11.87	10.48	9.34	-13.29	-28.35	-37.36	0.48	1	-80
1.0	36.81	1169.7	1162.9	1156.6	11.31	9.99	9.09	-15.10	-27.12	-34.87	0.16	10	-107
2.0	38.95	1207.7	1200.0	1193.5	10.41	9.63	8.83	-17.76	-26.56	-33.49	0.11	100	-127
3.0	40.40	1247.8	1239.6	1233.0	9.97	9.31	8.54	-20.04	-26.12	-32.46	0.15	1000	-147
4.0	42.17	1290.0	1281.6	1274.9	9.39	9.07	8.36	-23.58	-25.59	-32.13	0.32		
5.0	41.95	1331.8	1323.2	1316.7	9.11	8.81	7.99	-27.45	-25.41	-32.36	0.54		
6.0	38.85	1372.1	1363.6	1357.4	8.93	8.67	7.93	-29.38	-25.06	-32.91	0.66		
7.0	37.69	1410.8	1402.3	1396.0	8.68	8.53	7.64	-27.44	-25.41	-32.40	0.71		
8.0	35.64	1447.3	1438.6	1432.3	8.67	8.46	7.50	-24.10	-25.54	-32.46	0.71		
9.0	33.32	1482.0	1473.2	1466.9	8.59	8.47	7.50	-22.12	-26.32	-34.65	0.67		
10.0	32.49	1514.8	1505.8	1499.3	8.83	8.55	7.41	-22.69	-26.71	-34.46	0.66		
11.0	30.73	1546.4	1537.4	1531.0	8.85	8.56	7.38	-23.85	-25.93	-33.51	0.64		
12.0	29.76	1576.7	1567.5	1561.0	8.89	8.56	7.38	-26.09	-25.76	-33.34	0.64		
13.0	28.41	1605.8	1596.7	1590.1	8.82	8.47	7.31	-28.10	-25.52	-33.89	0.63		