

Voltage Controlled Oscillator

ROS-ED10758/2

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			
1.0	29.89	642.3	632.0	621.1	4.43	4.78	4.78	-14.0	-31.0	-58.7	3.98	1	-73
2.0	30.05	670.7	660.5	649.8	4.81	4.99	4.75	-12.8	-31.4	-55.0	3.84	10	-96
3.0	32.27	701.7	691.5	680.8	4.82	5.21	5.10	-11.9	-32.9	-60.2	4.32	100	-116
4.0	39.41	738.2	727.1	716.1	5.05	5.35	5.12	-11.1	-34.2	-66.4	4.42	1000	-136
5.0	45.86	781.4	769.5	757.8	5.17	5.49	5.44	-11.1	-37.9	-61.3	4.97		
6.0	55.00	833.4	817.6	804.6	5.22	5.40	5.23	-11.9	-48.8	-56.8	5.14		
7.0	50.38	884.3	870.2	857.1	5.21	5.49	5.04	-13.2	-48.3	-53.8	5.41		
8.0	51.62	935.6	921.6	909.4	5.21	5.40	5.04	-14.5	-44.3	-50.9	5.40		
9.0	49.28	984.1	971.4	960.6	5.01	5.31	5.12	-15.9	-47.3	-48.6	5.27		
10.0	47.19	1030.9	1018.7	1009.4	4.65	5.07	4.92	-17.6	-50.5	-53.0	4.85		
11.0	47.78	1079.2	1066.4	1057.1	4.66	4.89	4.51	-18.7	-58.5	-50.0	4.50		
12.0	46.29	1125.2	1113.2	1104.5	4.89	4.77	4.28	-19.7	-58.2	-45.3	4.18		
13.0	43.93	1169.5	1158.4	1150.4	4.62	4.52	4.07	-21.3	-54.5	-44.5	4.14		
14.0	44.02	1213.2	1202.8	1195.2	4.20	4.09	3.63	-23.5	-49.5	-41.1	3.97		
15.0	42.67	1255.9	1245.4	1237.3	3.90	3.74	3.33	-26.5	-45.5	-39.2	3.97		
16.0	38.17	1295.0	1284.7	1276.6	3.62	3.67	3.43	-29.1	-43.3	-37.2	3.82		
17.0	33.98	1331.1	1320.6	1312.2	3.63	3.71	3.38	-31.5	-42.0	-35.5	3.51		
18.0	32.75	1365.6	1353.7	1344.4	3.47	3.71	3.61	-32.4	-45.4	-35.1	2.66		
19.0	28.44	1397.5	1384.8	1374.6	3.54	3.69	3.51	-33.8	-55.2	-35.4	1.09		
20.0	24.82	1424.1	1411.5	1400.9	3.50	3.66	3.56	-35.6	-48.6	-35.8	0.78		
21.0	20.87	1446.5	1434.6	1423.7	3.47	3.59	3.46	-37.1	-44.0	-37.2	1.33		
22.0	18.03	1465.4	1454.1	1443.3	3.24	3.47	3.36	-39.0	-42.2	-39.5	2.02		