

Voltage Controlled Oscillator

ROS-EDR9032

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	58.11	781.57	766.14	748.40	1.71	1.86	1.79	-14.63	-18.82	-33.91	3.58	1	-65
0.3	63.23	796.48	780.67	762.25	1.75	1.89	1.79	-14.60	-18.71	-34.39	3.84	10	-90
0.5	71.94	812.93	796.48	777.24	1.78	1.93	1.78	-14.46	-18.68	-35.42	3.97	100	-112
0.8	84.74	832.00	814.46	794.23	1.84	1.97	1.79	-14.30	-18.61	-37.15	4.22	1000	-135
1.0	102.14	854.98	835.65	814.03	1.95	2.04	1.82	-14.27	-18.84	-38.38	4.22		
1.3	128.26	882.62	861.18	837.83	2.02	2.13	1.86	-14.01	-18.99	-39.00	4.10		
1.5	169.98	918.02	893.25	867.47	2.08	2.18	1.91	-13.69	-18.94	-38.83	4.35		
1.8	214.53	964.10	935.74	906.27	2.17	2.24	1.89	-13.22	-19.12	-38.21	4.48		
2.0	239.62	1021.31	989.38	957.05	2.15	2.27	1.92	-12.87	-19.36	-36.42	3.20		
2.3	257.79	1081.60	1049.28	1016.69	2.16	2.21	1.83	-12.47	-20.21	-33.91	0.26		
2.5	258.30	1147.65	1113.73	1079.43	2.05	2.06	1.67	-11.80	-23.80	-32.29	3.71		
2.8	237.06	1210.18	1178.30	1146.06	1.78	1.96	1.49	-12.16	-25.08	-30.53	4.99		
3.0	200.96	1266.37	1237.57	1207.38	1.54	1.78	1.48	-12.43	-26.77	-28.64	5.50		
3.3	169.47	1314.56	1287.81	1260.25	1.34	1.73	1.38	-12.57	-27.11	-27.44	4.86		
3.5	140.03	1354.62	1330.18	1304.35	1.25	1.67	1.37	-12.42	-27.37	-26.91	3.97		
3.8	119.55	1388.03	1365.18	1341.20	1.20	1.64	1.33	-12.40	-26.61	-25.50	3.07		
4.0	103.68	1417.22	1395.07	1371.82	1.17	1.65	1.32	-12.35	-26.14	-25.06	2.82		
4.3	88.06	1441.86	1420.99	1398.51	1.12	1.63	1.32	-12.22	-25.43	-24.79	2.43		
4.5	76.03	1463.17	1443.01	1421.56	1.04	1.58	1.30	-12.17	-24.88	-24.12	2.18		
4.8	67.07	1481.86	1462.02	1441.28	1.01	1.53	1.26	-12.22	-24.33	-23.95	1.79		
5.0	59.65	1498.37	1478.78	1458.45	1.01	1.52	1.21	-12.27	-24.60	-24.37	1.41		
5.3	51.71	1512.51	1493.70	1473.64	1.00	1.53	1.19	-12.23	-24.41	-23.76	1.15		
5.5	45.31	1524.99	1506.62	1487.12	0.95	1.53	1.17	-12.41	-24.28	-23.92	0.64		
5.8	40.70	1536.00	1517.95	1499.09	0.92	1.51	1.16	-12.47	-24.31	-23.39	0.38		
6.0	36.10	1545.73	1528.13	1509.59	0.88	1.48	1.15	-12.54	-23.97	-23.35	0.13		
6.3	32.00	1554.37	1537.15	1518.91	0.85	1.46	1.13	-12.55	-24.18	-23.54	0.13		
6.5	28.67	1562.11	1545.15	1527.28	0.82	1.44	1.10	-12.53	-24.05	-23.21	0.64		
6.8	26.11	1569.15	1552.32	1534.83	0.80	1.40	1.08	-12.43	-24.01	-23.16	0.77		
7.0	26.11	1575.36	1558.85	1541.56	0.77	1.38	1.06	-12.55	-24.13	-23.48	0.77		

Notes

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