

Voltage Controlled Oscillator

ROS-EDR10687

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	51.50	5412.0	5396.2	5377.6	1.51	1.60	0.93	-19.59	-44.64	-38.71	2.23	1	-69
0.3	45.81	5424.3	5409.1	5391.5	1.42	1.45	1.15	-20.01	-47.54	-38.49	2.26	10	-96
0.5	43.17	5435.7	5420.5	5403.5	1.36	1.26	1.20	-20.07	-47.40	-37.72	2.27	100	-118
0.8	41.65	5446.3	5431.3	5414.5	1.17	1.16	1.10	-19.60	-49.24	-38.27	2.35	1000	-137
1.0	39.65	5456.5	5441.7	5424.7	1.08	1.09	0.95	-18.97	-49.14	-37.43	2.34		
1.3	38.80	5466.5	5451.6	5434.7	1.12	0.96	0.81	-18.98	-49.14	-38.35	2.29		
1.5	39.01	5476.5	5461.3	5444.6	1.31	0.89	0.71	-18.99	-51.58	-37.24	2.28		
1.8	39.70	5486.6	5471.1	5454.3	1.37	0.92	0.56	-19.28	-47.95	-37.28	2.31		
2.0	40.62	5496.8	5481.0	5463.9	1.39	1.03	0.45	-19.54	-49.09	-37.66	2.31		
2.3	41.53	5507.1	5491.2	5473.5	1.48	1.09	0.46	-18.91	-45.60	-37.83	2.31		
2.5	41.26	5517.2	5501.6	5483.4	1.19	1.13	0.56	-18.50	-43.60	-36.39	2.24		
2.8	40.93	5527.3	5511.9	5493.7	0.91	1.17	0.67	-18.79	-42.58	-37.58	2.09		
3.0	40.26	5537.4	5522.1	5504.2	0.65	1.00	0.67	-18.68	-40.53	-35.87	1.98		
3.3	39.31	5547.5	5532.2	5514.5	0.56	0.67	0.78	-18.11	-39.54	-37.14	1.83		
3.5	38.44	5557.6	5542.0	5524.4	0.56	0.40	0.72	-18.10	-38.69	-37.73	1.68		
3.8	37.49	5567.5	5551.6	5534.0	0.55	0.23	0.39	-18.84	-36.71	-38.48	1.55		
4.0	35.96	5576.9	5561.0	5543.1	0.63	0.16	0.14	-18.81	-36.43	-39.85	1.44		
4.3	33.66	5585.8	5570.0	5551.8	0.86	0.15	0.01	-18.61	-35.05	-40.92	1.35		
4.5	31.00	5594.1	5578.4	5560.0	0.93	0.20	-0.09	-18.81	-34.48	-41.85	1.26		
4.8	28.63	5602.0	5586.1	5567.9	0.92	0.36	-0.15	-19.25	-33.96	-44.23	1.18		
5.0	27.22	5609.2	5593.3	5575.2	0.86	0.54	-0.17	-19.38	-33.63	-45.16	1.18		
5.3	25.61	5616.0	5600.1	5582.1	0.78	0.61	-0.14	-19.06	-34.00	-49.13	1.22		
5.5	23.86	5622.2	5606.5	5588.4	0.71	0.61	-0.03	-18.88	-33.87	-47.83	1.24		
5.8	22.53	5628.0	5612.5	5594.3	0.56	0.61	0.11	-19.12	-33.72	-48.24	1.25		
6.0	21.32	5633.5	5618.1	5599.9	0.42	0.57	0.26	-19.60	-33.55	-46.92	1.26		
6.3	20.22	5638.6	5623.4	5605.2	0.28	0.52	0.34	-20.13	-33.59	-50.27	1.25		
6.5	19.15	5643.4	5628.5	5610.4	0.24	0.46	0.37	-20.54	-33.67	-53.50	1.24		
6.8	18.30	5648.1	5633.3	5615.3	0.27	0.39	0.39	-20.69	-33.40	-52.61	1.23		
7.0	18.30	5652.7	5637.9	5620.1	0.26	0.34	0.39	-20.52	-33.04	-52.41	1.22		

Notes

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