

Voltage Controlled Oscillator

ROS-EDR11006

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			
0.00	8.53	3182.2	3176.9	3173.0	5.57	5.89	5.86	-31.6	-49.5	-47.1	0.15	1	-89
0.25	7.99	3184.3	3179.0	3175.2	5.63	5.95	5.91	-31.7	-49.8	-46.9	0.16	10	-116
0.50	7.74	3186.3	3181.0	3177.3	5.68	6.00	5.96	-32.0	-49.7	-46.8	0.16	100	-135
0.75	7.68	3188.2	3182.9	3179.2	5.74	6.05	6.01	-32.6	-50.0	-47.2	0.17	1000	-155
1.00	7.74	3190.1	3184.9	3181.2	5.79	6.11	6.06	-33.2	-50.1	-47.0	0.17		
1.25	7.91	3192.1	3186.8	3183.1	5.84	6.16	6.11	-33.4	-50.8	-46.7	0.17		
1.50	8.16	3194.1	3188.8	3185.1	5.89	6.21	6.17	-33.6	-49.8	-47.3	0.17		
1.75	8.50	3196.1	3190.8	3187.1	5.94	6.27	6.22	-33.6	-50.3	-47.3	0.17		
2.00	8.88	3198.3	3192.9	3189.2	5.99	6.32	6.28	-33.5	-50.3	-47.1	0.17		
2.25	9.27	3200.5	3195.2	3191.4	6.04	6.38	6.34	-33.5	-50.9	-46.7	0.16		
2.50	9.60	3202.9	3197.5	3193.6	6.09	6.43	6.40	-33.4	-51.2	-45.9	0.15		
2.75	9.79	3205.3	3199.9	3196.0	6.13	6.48	6.45	-33.3	-51.7	-45.4	0.14		
3.00	9.81	3207.8	3202.3	3198.4	6.17	6.54	6.51	-33.2	-51.9	-45.6	0.13		
3.25	9.64	3210.3	3204.8	3200.9	6.20	6.59	6.57	-33.0	-52.4	-45.5	0.11		
3.50	9.30	3212.7	3207.2	3203.3	6.22	6.63	6.63	-33.0	-52.3	-46.1	0.09		
3.75	8.80	3215.0	3209.5	3205.6	6.24	6.66	6.67	-33.2	-52.9	-46.5	0.08		
4.00	8.19	3217.2	3211.7	3207.8	6.25	6.69	6.71	-33.5	-53.7	-46.5	0.06		
4.25	7.48	3219.3	3213.8	3209.8	6.27	6.71	6.75	-33.8	-54.2	-46.4	0.06		
4.50	6.73	3221.1	3215.6	3211.7	6.28	6.73	6.77	-33.9	-52.7	-46.4	0.05		
4.75	5.96	3222.8	3217.3	3213.4	6.30	6.74	6.79	-33.9	-51.6	-46.2	0.06		
5.00	5.23	3224.2	3218.8	3214.9	6.31	6.75	6.81	-34.0	-51.5	-45.9	0.06		
5.25	4.57	3225.5	3220.1	3216.3	6.32	6.76	6.82	-34.1	-51.0	-45.3	0.08		
5.50	3.99	3226.6	3221.2	3217.4	6.33	6.77	6.83	-34.2	-51.1	-45.4	0.09		
5.75	3.50	3227.6	3222.2	3218.4	6.34	6.77	6.84	-34.2	-50.9	-45.1	0.10		
6.00	3.09	3228.5	3223.1	3219.3	6.35	6.78	6.84	-34.3	-50.9	-45.1	0.12		
6.25	2.74	3229.2	3223.9	3220.1	6.36	6.78	6.85	-34.3	-51.4	-44.8	0.13		
6.50	2.46	3229.9	3224.6	3220.8	6.37	6.79	6.85	-34.4	-51.5	-44.9	0.14		
6.75	2.23	3230.5	3225.2	3221.4	6.38	6.79	6.86	-34.4	-51.6	-44.9	0.15		
7.00	2.23	3231.0	3225.7	3222.0	6.39	6.79	6.86	-34.4	-52.2	-45.2	0.16		

Notes

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