

Voltage Controlled Oscillator

ROS-43-119+

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	2.23	39.1	38.8	38.5	1.05	1.58	1.65	-14.85	-35.12	-46.60	0.12	1	-103
0.3	1.99	39.6	39.3	39.1	1.02	1.65	1.84	-15.11	-35.09	-46.22	0.11	10	-130
0.5	1.87	40.1	39.8	39.6	1.00	1.66	1.90	-15.44	-35.22	-46.48	0.14	100	-151
0.7	1.72	40.5	40.2	40.0	1.01	1.67	1.92	-15.76	-35.53	-46.72	0.13	1000	-170
1.0	1.55	41.0	40.7	40.5	1.02	1.68	1.94	-16.17	-35.94	-47.08	0.11		
1.3	1.46	41.4	41.1	40.9	1.02	1.69	1.96	-16.47	-36.31	-47.47	0.09		
1.5	1.39	41.7	41.5	41.2	1.02	1.70	1.97	-16.76	-36.63	-47.81	0.08		
1.8	1.33	42.1	41.8	41.6	1.02	1.70	1.98	-17.04	-36.95	-48.07	0.08		
2.0	1.29	42.4	42.1	41.9	1.02	1.71	1.98	-17.31	-37.26	-48.46	0.07		
2.3	1.26	42.7	42.5	42.3	1.01	1.71	1.99	-17.55	-37.59	-48.79	0.06		
2.5	1.24	43.0	42.8	42.6	1.01	1.71	1.99	-17.79	-37.88	-49.04	0.06		
2.8	1.22	43.4	43.1	42.9	1.01	1.70	2.00	-18.02	-38.23	-49.30	0.06		
3.0	1.21	43.7	43.4	43.2	1.00	1.70	2.00	-18.25	-38.52	-49.64	0.05		
3.3	1.20	44.0	43.7	43.5	0.99	1.70	2.00	-18.47	-38.83	-49.90	0.05		
3.5	1.19	44.3	44.0	43.8	0.98	1.69	2.00	-18.68	-39.14	-50.26	0.05		
3.8	1.19	44.6	44.3	44.1	0.97	1.68	1.99	-18.90	-39.46	-50.49	0.04		
4.0	1.19	44.9	44.6	44.4	0.95	1.67	1.99	-19.10	-39.78	-50.71	0.04		
4.3	1.20	45.2	44.9	44.7	0.94	1.66	1.98	-19.30	-40.08	-51.02	0.04		
4.5	1.20	45.5	45.2	45.0	0.92	1.65	1.97	-19.51	-40.40	-51.32	0.04		
4.8	1.21	45.8	45.5	45.3	0.90	1.63	1.96	-19.70	-40.69	-51.61	0.04		
5.0	1.21	46.1	45.8	45.6	0.88	1.61	1.95	-19.90	-41.07	-51.94	0.04		
5.3	1.22	46.4	46.1	45.9	0.86	1.60	1.94	-20.10	-41.40	-52.31	0.04		
5.5	1.23	46.7	46.4	46.2	0.83	1.57	1.92	-20.29	-41.78	-52.59	0.04		
5.8	1.23	47.0	46.7	46.5	0.81	1.55	1.90	-20.49	-42.12	-52.97	0.04		
6.0	1.24	47.3	47.0	46.8	0.78	1.52	1.88	-20.67	-42.54	-53.35	0.04		
6.3	1.24	47.6	47.3	47.1	0.75	1.50	1.86	-20.86	-42.98	-53.81	0.04		
6.5	1.25	47.9	47.6	47.4	0.72	1.47	1.83	-21.06	-43.40	-54.15	0.04		
6.8	1.25	48.2	47.9	47.7	0.68	1.44	1.80	-21.23	-43.86	-54.64	0.04		
7.0	1.25	48.5	48.3	48.0	0.65	1.40	1.78	-21.40	-44.33	-55.05	0.05		

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