

Voltage Controlled Oscillator

ROS-4725-119+

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	F0.5	F1.5	F2	F3			
0.00	74.72	4517.1	4504.7	4493.0	1.10	0.53	-0.41	-36.27	-38.05	-27.4	-36.6	1.86	1	-74
0.25	71.65	4535.3	4523.4	4512.2	1.38	0.81	-0.16	-36.29	-37.09	-27.5	-37.8	2.27	10	-104
0.50	70.46	4553.0	4541.3	4530.2	1.61	1.04	0.05	-36.53	-34.23	-26.8	-38.6	2.61	100	-126
0.75	70.42	4570.4	4559.0	4547.9	1.77	1.16	0.22	-36.40	-38.57	-26.5	-39.2	2.86	1000	-146
1.00	71.84	4588.0	4576.6	4565.6	1.90	1.29	0.26	-36.69	-31.72	-25.5	-40.2	3.03		
1.25	73.89	4606.0	4594.5	4583.5	2.11	1.39	0.36	-36.30	-33.43	-24.9	-40.9	3.24		
1.50	76.44	4624.5	4613.0	4601.8	2.28	1.51	0.36	-36.82	-31.99	-24.1	-41.8	3.36		
1.75	79.31	4643.7	4632.1	4620.8	2.37	1.56	0.44	-36.98	-30.34	-23.9	-42.2	3.46		
2.00	82.43	4663.6	4651.9	4640.5	2.51	1.56	0.36	-37.19	-25.94	-23.3	-42.3	3.43		
2.25	85.13	4684.4	4672.5	4660.9	2.39	1.60	0.41	-37.40	-29.06	-22.6	-41.3	3.48		
2.50	88.81	4705.9	4693.8	4682.2	2.48	1.40	0.35	-37.27	-23.19	-22.8	-41.3	3.27		
2.75	90.62	4728.3	4716.0	4704.0	2.32	1.36	0.18	-37.17	-24.84	-21.6	-41.5	3.15		
3.00	92.26	4751.0	4738.7	4726.8	2.34	1.26	0.00	-37.23	-23.92	-21.7	-41.1	2.64		
3.25	90.63	4774.1	4761.7	4749.7	2.02	1.11	0.11	-37.10	-24.42	-21.8	-41.5	2.12		
3.50	89.14	4797.0	4784.4	4772.6	1.66	0.82	-0.15	-37.02	-27.45	-21.9	-42.2	1.40		
3.75	84.56	4819.3	4806.7	4794.8	1.40	0.44	-0.42	-36.84	-28.15	-20.9	-41.5	0.72		
4.00	78.82	4840.5	4827.8	4816.2	1.28	0.21	-0.75	-36.71	-30.69	-21.7	-41.6	0.09		
4.25	71.66	4860.1	4847.5	4836.1	0.95	0.13	-0.81	-36.60	-30.67	-20.8	-41.6	0.35		
4.50	64.46	4877.9	4865.4	4854.3	0.84	-0.07	-0.93	-36.71	-37.21	-20.9	-40.7	0.55		
4.75	57.32	4893.8	4881.6	4870.8	0.55	-0.24	-1.04	-36.19	-35.33	-20.2	-41.4	0.48		
5.00	50.19	4907.9	4895.9	4885.4	0.24	-0.43	-1.11	-35.99	-33.77	-20.6	-40.9	0.17		
5.25	43.71	4920.3	4908.4	4898.2	0.19	-0.65	-1.27	-35.82	-49.45	-19.3	-39.9	0.31		
5.50	37.82	4930.9	4919.4	4909.4	0.11	-0.82	-1.49	-35.91	-41.61	-19.8	-39.9	0.86		
5.75	32.78	4940.1	4928.8	4919.2	0.15	-0.91	-1.62	-35.43	-38.63	-20.7	-39.3	1.43		
6.00	28.48	4948.0	4937.0	4927.6	0.10	-0.94	-1.77	-35.62	-38.62	-20.8	-39.2	1.95		
6.25	24.95	4955.0	4944.1	4935.0	0.08	-0.97	-1.86	-35.26	-39.59	-20.2	-39.3	2.39		
6.50	22.06	4961.0	4950.4	4941.5	0.03	-1.00	-1.91	-35.65	-43.78	-19.9	-38.5	2.77		
6.75	19.73	4966.4	4955.9	4947.2	-0.06	-1.03	-1.91	-35.51	-43.69	-20.2	-38.7	3.08		
7.00	19.73	4971.3	4960.8	4952.3	-0.15	-1.06	-1.83	-35.50	-39.63	-20.7	-38.8	3.31		

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