

Voltage Controlled Oscillator

ROS-EDR9657

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	57.71	5256.26	5230.98	5211.12	1.89	1.73	1.07	-25.94	-52.14	-53.17	3.47	1	-71
0.5	46.49	5283.33	5259.84	5243.10	2.12	1.81	1.35	-26.60	-55.70	-53.55	3.75	10	-96
1.0	43.39	5306.94	5283.08	5266.98	2.46	1.95	1.63	-26.33	-58.56	-57.36	3.84	100	-117
1.5	37.99	5327.04	5304.78	5287.18	2.40	2.25	1.79	-28.53	-57.53	-59.21	4.18	1000	-136
2.0	35.85	5346.11	5323.77	5306.96	2.50	2.25	1.48	-26.94	-53.10	-64.87	4.02		
2.5	33.67	5363.65	5341.70	5325.44	2.51	2.24	1.97	-28.90	-52.85	-75.90	4.24		
3.0	32.08	5380.10	5358.53	5341.84	2.45	2.39	1.91	-29.13	-51.80	-65.21	4.07		
3.5	30.57	5396.61	5374.57	5358.54	2.59	2.44	1.79	-29.22	-51.21	-62.20	4.27		
4.0	31.86	5412.67	5389.86	5373.99	2.70	2.46	2.01	-30.37	-52.43	-61.73	4.15		
4.5	30.17	5427.90	5405.78	5389.51	2.77	2.56	2.17	-32.17	-53.60	-62.50	4.70		
5.0	28.86	5443.01	5420.87	5404.17	2.74	2.71	2.07	-32.66	-54.55	-61.84	4.32		
5.5	28.79	5457.28	5435.30	5419.26	2.51	2.72	2.10	-34.77	-55.99	-60.97	4.65		
6.0	27.83	5472.19	5449.70	5433.97	2.41	2.75	2.21	-34.21	-57.49	-59.09	4.37		
6.5	29.10	5487.30	5463.61	5448.90	2.70	2.69	2.25	-35.58	-59.35	-55.02	4.55		
7.0	30.05	5501.44	5478.16	5462.58	2.74	2.64	2.27	-36.62	-66.34	-52.95	5.21		
7.5	27.88	5515.26	5493.18	5476.29	2.76	2.84	2.12	-36.69	-73.62	-50.20	4.69		
8.0	27.46	5529.60	5507.12	5490.57	2.76	2.95	2.04	-36.96	-64.05	-48.83	4.72		
8.5	28.50	5543.23	5520.86	5505.02	2.65	2.88	2.42	-37.57	-59.45	-46.89	4.82		
9.0	27.53	5558.02	5535.11	5519.02	2.78	2.86	2.46	-35.48	-55.49	-45.88	5.05		
9.5	29.68	5572.61	5548.87	5533.62	2.72	2.72	2.46	-34.74	-54.96	-45.17	4.94		
10.0	28.97	5585.98	5563.71	5547.36	2.65	2.83	2.34	-33.76	-56.71	-45.00	5.30		
10.5	27.06	5600.06	5578.19	5560.85	2.62	2.87	2.16	-31.06	-61.95	-44.99	4.93		
11.0	28.66	5614.72	5591.73	5575.68	2.66	2.95	2.18	-30.56	-64.16	-45.79	4.92		
11.5	29.47	5628.93	5606.05	5590.04	2.66	2.83	2.39	-29.19	-54.23	-45.12	5.22		
12.0	28.45	5642.88	5620.79	5604.03	2.58	2.89	2.38	-27.90	-52.00	-44.57	4.96		
12.5	27.70	5657.02	5635.02	5618.23	2.48	2.86	2.31	-25.99	-51.73	-44.46	4.92		
13.0	27.84	5672.13	5648.87	5632.36	2.40	2.77	2.23	-25.34	-49.70	-44.23	4.78		
13.5	29.26	5685.63	5662.79	5646.94	2.40	2.69	2.21	-24.48	-47.96	-44.90	4.95		
14.0	25.64	5699.20	5677.42	5660.31	2.36	2.75	2.13	-23.85	-45.72	-46.23	4.85		
14.5	24.67	5712.00	5690.23	5673.31	2.28	2.76	1.97	-23.63	-45.04	-46.40	4.51		
15.0	23.22	5724.03	5702.57	5685.56	2.25	2.76	1.83	-23.53	-43.09	-47.88	4.45		
15.5	20.69	5736.06	5714.18	5697.03	2.24	2.74	1.97	-23.66	-42.91	-49.38	4.23		
16.0	20.69	5748.03	5724.52	5707.83	2.20	2.67	2.01	-24.29	-42.24	-52.89	4.24		

Notes

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