

Voltage Controlled Oscillator

ROS-244+

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	7.66	152.6	152.0	151.7	9.14	8.74	8.36	-9.2	-30.0	-48.2	0.10	1	-97
0.5	6.26	156.4	155.8	155.6	9.05	8.72	8.40	-10.1	-30.4	-47.8	0.07	10	-123
1.0	5.61	159.5	158.9	158.7	9.03	8.73	8.45	-10.9	-30.7	-47.7	0.05	100	-143
1.5	5.27	162.4	161.7	161.5	9.02	8.75	8.50	-11.5	-30.8	-47.1	0.05	1000	-163
2.0	5.09	165.0	164.4	164.1	9.01	8.77	8.54	-12.1	-31.0	-46.5	0.04		
2.5	5.03	167.6	166.9	166.6	9.04	8.79	8.58	-12.7	-31.3	-46.2	0.04		
3.0	5.05	170.2	169.4	169.0	9.09	8.86	8.65	-13.3	-31.5	-46.0	0.03		
3.5	5.13	172.8	171.9	171.5	9.16	8.93	8.74	-13.9	-31.7	-45.4	0.03		
4.0	5.25	175.4	174.5	174.1	9.22	9.02	8.84	-14.5	-31.9	-45.0	0.03		
4.5	5.40	178.1	177.1	176.6	9.30	9.11	8.93	-15.0	-32.2	-44.9	0.02		
5.0	5.61	180.8	179.8	179.3	9.40	9.21	9.03	-15.5	-32.5	-44.8	0.02		
5.5	5.86	183.7	182.6	182.1	9.49	9.29	9.12	-16.0	-32.7	-44.6	0.02		
6.0	6.10	186.7	185.6	185.0	9.57	9.38	9.20	-16.5	-32.8	-44.4	0.02		
6.5	6.29	189.7	188.6	188.0	9.66	9.46	9.29	-17.1	-32.7	-44.3	0.03		
7.0	6.46	192.9	191.8	191.1	9.74	9.54	9.37	-17.7	-32.8	-43.5	0.03		
7.5	6.57	196.1	195.0	194.3	9.81	9.61	9.46	-18.4	-33.3	-43.1	0.04		
8.0	6.63	199.4	198.3	197.6	9.88	9.69	9.54	-18.9	-33.6	-43.0	0.05		
8.5	6.64	202.7	201.6	200.9	9.96	9.77	9.62	-19.4	-33.6	-42.6	0.07		
9.0	6.61	206.0	204.9	204.2	10.04	9.85	9.70	-19.8	-33.6	-42.2	0.08		
9.5	6.53	209.3	208.2	207.5	10.12	9.93	9.78	-20.4	-33.9	-42.3	0.09		
10.0	6.45	212.6	211.5	210.8	10.23	10.04	9.89	-21.0	-34.3	-42.0	0.09		
10.5	6.35	215.8	214.7	214.0	10.33	10.14	10.00	-21.7	-34.3	-41.6	0.09		
11.0	6.29	219.0	217.9	217.2	10.43	10.24	10.10	-22.2	-34.1	-41.7	0.09		
11.5	6.22	222.2	221.0	220.3	10.51	10.33	10.19	-22.6	-34.3	-41.8	0.09		
12.0	6.17	225.3	224.1	223.4	10.55	10.38	10.24	-22.9	-34.6	-41.4	0.08		
12.5	6.15	228.4	227.2	226.5	10.55	10.39	10.26	-23.2	-34.5	-41.0	0.07		
13.0	6.14	231.5	230.3	229.5	10.54	10.39	10.26	-23.6	-34.2	-40.9	0.07		
13.5	6.14	234.6	233.4	232.6	10.53	10.38	10.26	-24.0	-34.0	-40.6	0.06		
14.0	6.17	237.7	236.4	235.7	10.49	10.35	10.24	-24.3	-34.0	-40.6	0.06		
14.5	6.18	240.8	239.5	238.7	10.41	10.28	10.18	-24.5	-33.8	-40.5	0.07		
15.0	6.20	243.9	242.6	241.8	10.30	10.19	10.09	-24.6	-33.5	-40.2	0.07		
15.5	6.15	247.0	245.7	244.9	10.17	10.06	9.98	-24.6	-33.4	-39.9	0.08		
16.0	6.10	250.0	248.8	248.0	10.02	9.91	9.84	-24.7	-33.4	-39.9	0.10		

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