

Voltage Controlled Oscillator

ROS-3570-319+

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	39.56	3166.0	3151.1	3146.9	6.51	6.11	5.54	-19.8	-35.6	-38.5	0.07	1	-75
0.5	34.45	3185.3	3170.9	3167.4	6.55	6.10	5.52	-19.6	-34.3	-38.8	0.08	10	-100
1.0	31.43	3202.2	3188.1	3184.6	6.59	6.11	5.51	-19.7	-34.3	-38.9	0.17	100	-121
1.5	29.81	3217.7	3203.8	3200.6	6.62	6.14	5.54	-20.0	-34.4	-39.1	0.21	1000	-141
2.0	28.90	3232.6	3218.7	3215.5	6.64	6.15	5.55	-19.9	-35.1	-39.0	0.26		
2.5	28.69	3247.2	3233.2	3229.9	6.64	6.17	5.55	-20.0	-34.9	-39.9	0.28		
3.0	28.56	3261.6	3247.5	3244.1	6.63	6.16	5.55	-20.3	-34.4	-40.0	0.33		
3.5	27.89	3275.7	3261.8	3258.3	6.63	6.16	5.53	-20.5	-34.3	-40.7	0.34		
4.0	27.79	3289.6	3275.7	3272.3	6.63	6.14	5.50	-21.0	-33.4	-40.9	0.35		
4.5	28.09	3303.7	3289.6	3286.1	6.64	6.13	5.47	-21.0	-33.5	-40.9	0.39		
5.0	28.76	3317.9	3303.7	3300.0	6.62	6.13	5.48	-21.6	-34.2	-41.5	0.42		
5.5	28.75	3332.1	3318.1	3314.2	6.61	6.10	5.43	-21.9	-33.9	-42.4	0.44		
6.0	28.56	3346.3	3332.4	3328.6	6.62	6.08	5.41	-21.9	-34.4	-43.1	0.44		
6.5	28.84	3360.6	3346.7	3342.8	6.63	6.07	5.38	-22.2	-34.8	-44.1	0.46		
7.0	29.57	3375.3	3361.1	3357.1	6.63	6.06	5.35	-22.5	-33.8	-46.0	0.49		
7.5	30.41	3390.3	3375.9	3371.6	6.61	6.04	5.32	-22.7	-33.3	-48.7	0.53		
8.0	30.29	3405.3	3391.1	3386.6	6.58	6.01	5.29	-22.7	-33.5	-49.9	0.56		
8.5	30.41	3420.3	3406.3	3401.7	6.56	5.99	5.25	-23.0	-32.7	-46.8	0.55		
9.0	30.86	3435.5	3421.5	3416.9	6.54	5.97	5.23	-23.3	-32.5	-43.3	0.58		
9.5	31.28	3450.8	3436.9	3432.1	6.52	5.97	5.19	-23.4	-32.5	-40.0	0.60		
10.0	31.89	3466.7	3452.6	3447.6	6.49	5.93	5.14	-23.7	-32.3	-38.5	0.63		
10.5	32.49	3482.8	3468.5	3463.4	6.46	5.89	5.07	-23.8	-31.4	-38.1	0.66		
11.0	32.69	3499.0	3484.7	3479.4	6.43	5.83	5.01	-24.0	-30.9	-38.0	0.68		
11.5	32.08	3514.9	3501.1	3495.7	6.38	5.80	4.94	-24.1	-31.2	-38.3	0.67		
12.0	31.92	3530.9	3517.1	3511.8	6.35	5.74	4.86	-24.7	-31.5	-38.3	0.67		
12.5	32.26	3547.0	3533.1	3527.6	6.33	5.72	4.80	-24.9	-31.4	-38.5	0.70		
13.0	32.13	3563.3	3549.2	3543.4	6.33	5.69	4.74	-25.1	-31.5	-39.1	0.70		
13.5	30.69	3579.3	3565.3	3559.2	6.31	5.67	4.69	-25.3	-32.6	-40.1	0.67		
14.0	28.79	3594.5	3580.6	3574.6	6.25	5.64	4.62	-26.1	-33.2	-41.4	0.59		
14.5	26.94	3608.9	3595.0	3588.9	6.20	5.60	4.58	-26.3	-33.9	-42.4	0.53		
15.0	24.76	3622.3	3608.5	3602.3	6.15	5.57	4.50	-26.5	-34.5	-43.6	0.49		
15.5	22.38	3634.7	3620.9	3614.6	6.11	5.52	4.42	-26.8	-34.6	-45.4	0.46		
16.0	19.94	3645.9	3632.1	3625.6	6.10	5.47	4.32	-27.0	-35.3	-47.2	0.46		
16.5	17.58	3656.0	3642.0	3635.4	6.07	5.44	4.24	-27.1	-35.7	-50.2	0.48		
17.0	15.37	3664.8	3650.8	3644.1	6.04	5.40	4.16	-27.2	-36.1	-52.1	0.51		
17.5	13.41	3672.4	3658.5	3651.7	6.01	5.36	4.10	-27.4	-36.3	-55.7	0.54		
18.0	13.41	3679.0	3665.2	3658.3	5.99	5.33	4.02	-27.4	-36.4	-56.8	0.58		

REV. X1
 ROS-3570-319+
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 Page 1 of 1



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