

Voltage Controlled Oscillator

ROS-EDR9693

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	53.41	3217.12	3206.68	3198.43	6.21	5.83	5.18	-23.36	-19.19	-50.65	0.88	1	-66
0.5	48.16	3243.25	3233.38	3226.04	6.16	5.81	5.20	-25.13	-19.29	-57.32	0.53	10	-95
1.0	45.31	3267.48	3257.46	3249.54	6.10	5.78	5.16	-27.75	-19.43	-61.45	0.37	100	-119
1.5	45.14	3290.52	3280.12	3272.10	5.95	5.75	5.15	-30.13	-19.97	-61.92	0.25	1000	-141
2.0	46.35	3313.99	3302.69	3293.94	5.85	5.64	5.07	-30.03	-19.96	-64.93	0.16		
2.5	46.66	3337.36	3325.86	3316.34	5.92	5.63	5.01	-38.09	-20.52	-61.51	0.08		
3.0	48.58	3361.08	3349.19	3339.53	5.92	5.68	5.06	-43.45	-21.09	-60.01	0.06		
3.5	49.85	3385.85	3373.48	3363.20	5.85	5.64	5.07	-42.17	-21.70	-58.21	0.09		
4.0	50.47	3410.88	3398.41	3387.90	5.81	5.60	5.00	-37.59	-23.06	-60.23	0.17		
4.5	50.30	3436.10	3423.64	3412.96	5.84	5.58	4.94	-34.83	-24.08	-58.94	0.26		
5.0	49.75	3461.25	3448.79	3438.05	5.85	5.60	4.94	-34.95	-24.80	-59.43	0.33		
5.5	48.94	3486.33	3473.67	3462.73	5.75	5.54	4.94	-30.48	-25.02	-55.13	0.34		
6.0	46.88	3510.79	3498.14	3487.05	5.72	5.45	4.83	-28.94	-25.86	-50.40	0.30		
6.5	44.43	3534.12	3521.58	3510.58	5.76	5.45	4.77	-28.14	-26.43	-47.90	0.23		
7.0	42.30	3556.42	3543.80	3532.85	5.70	5.44	4.80	-27.13	-26.75	-47.44	0.12		
7.5	39.54	3577.56	3564.95	3553.89	5.62	5.36	4.76	-26.44	-27.79	-47.21	0.02		
8.0	36.74	3597.22	3584.72	3573.83	5.56	5.29	4.66	-26.00	-28.50	-46.57	0.09		
8.5	34.13	3615.62	3603.09	3592.37	5.48	5.20	4.61	-25.11	-29.73	-46.54	0.19		
9.0	31.20	3632.55	3620.15	3609.46	5.43	5.14	4.54	-25.25	-29.90	-46.56	0.28		
9.5	28.49	3648.05	3635.75	3625.28	5.39	5.09	4.50	-24.63	-30.02	-45.31	0.39		
10.0	26.07	3662.28	3650.00	3639.78	5.32	5.07	4.46	-23.98	-29.95	-45.95	0.51		
10.5	23.97	3675.36	3663.04	3652.95	5.27	4.99	4.44	-23.72	-29.97	-45.27	0.63		
11.0	21.89	3687.32	3675.02	3664.99	5.22	4.94	4.38	-23.73	-29.70	-45.64	0.75		
11.5	19.81	3698.08	3685.97	3676.01	5.19	4.90	4.35	-23.79	-29.39	-45.56	0.84		
12.0	18.11	3707.89	3695.87	3686.07	5.16	4.87	4.30	-23.74	-29.49	-45.98	0.92		
12.5	16.63	3716.89	3704.93	3695.39	5.11	4.84	4.27	-22.89	-29.82	-46.21	0.98		
13.0	16.63	3725.21	3713.24	3703.93	5.04	4.80	4.25	-22.84	-29.90	-45.92	1.04		

Notes

- A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
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