

Voltage Controlled Oscillator

ROS-3600-419R+

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	117.5	3187.6	3165.7	3149.8	8.2	8.3	7.9	-20.7	-44.7	-33.9	2.2	1	-71
0.5	93.5	3242.3	3224.5	3212.0	8.3	8.3	7.9	-20.9	-40.2	-34.9	0.8	10	-97
1.0	80.7	3286.9	3271.2	3260.3	8.4	8.3	7.8	-20.9	-39.6	-36.1	1.7	100	-118
1.5	76.2	3327.1	3311.6	3301.3	8.4	8.3	7.9	-20.5	-38.6	-37.5	2.3	1000	-138
2.0	68.4	3363.4	3349.7	3340.0	8.5	8.3	7.7	-20.7	-38.5	-38.4	2.3		
2.5	68.7	3398.1	3383.9	3374.5	8.5	8.4	7.9	-20.5	-35.7	-40.7	2.6		
3.0	62.3	3431.9	3418.2	3408.7	8.5	8.3	7.8	-19.9	-34.0	-43.5	2.5		
3.5	61.4	3462.9	3449.4	3441.0	8.7	8.6	7.9	-20.2	-32.5	-44.8	2.3		
4.0	60.1	3493.9	3480.1	3471.2	8.8	8.7	8.1	-20.1	-30.6	-46.7	2.5		
4.5	57.8	3523.3	3510.1	3501.7	9.0	8.8	8.2	-20.5	-30.2	-47.6	2.3		
5.0	61.0	3552.4	3539.0	3530.7	9.1	9.0	8.4	-21.0	-31.2	-47.9	2.1		
5.5	60.1	3582.6	3569.5	3560.3	9.1	9.0	8.5	-21.6	-31.1	-47.9	1.9		
6.0	59.6	3612.7	3599.6	3590.4	9.1	8.9	8.4	-21.8	-30.3	-48.3	1.5		
6.5	60.0	3642.8	3629.4	3620.0	9.0	9.0	8.5	-22.3	-29.3	-48.7	1.4		
7.0	59.2	3673.3	3659.4	3649.8	8.9	8.8	8.4	-23.4	-27.8	-47.9	1.2		
7.5	58.6	3702.4	3689.0	3679.5	9.1	8.9	8.3	-23.4	-27.3	-47.5	0.9		
8.0	61.3	3732.7	3718.3	3708.3	9.0	9.1	8.6	-25.1	-27.2	-46.7	1.0		
8.5	58.5	3763.3	3748.9	3738.2	8.9	8.8	8.5	-25.5	-26.4	-46.2	0.9		
9.0	57.6	3792.6	3778.2	3767.9	9.0	8.8	8.3	-27.0	-26.0	-44.0	0.3		
9.5	59.2	3822.7	3807.0	3796.3	8.9	8.9	8.4	-27.7	-26.3	-42.5	0.2		
10.0	59.2	3852.0	3836.6	3825.0	8.7	8.7	8.4	-28.9	-25.6	-42.5	0.9		

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.
- B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuits' applicable established test performance criteria and measurement instructions.
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