

VMVO4000M8000M-5SMAF

FEATURES

- ◆ Exceptional Phase Noise
- ◆ Small Size

TYPICAL APPLICATIONS

- ◆ RF source

SPECIFICATIONS

Parameter	Unit	Min.	Typ.	Max.	Test Conditions
Voltage Supply	V	-	5	-	
Current	mA	-	20mA	-	@5V
Tuning Voltage	V	0.3	-	15	
Output Frequency	MHz	4000	-	8000	
Output Power	dBm	-4	-	-	
Tuning Sensitivity	MHz/V	-	120-620	-	
Output Impedance	Ω	-	50	-	
Harmonic Suppression	dB	-	10	-	
Frequency Pulling	MHz	-	60	-	@1.75:1 VSWR
Frequency Pushing	MHz/V	-	15	-	
Tuning Port Capacitance	pF	-	30	-	
Phase Noise	dBc/Hz	-	-73	-	@10kHz
	dBc/Hz		-98		
Operating Temperature	$^{\circ}\text{C}$	-40	-	+85	

GUARANTEED TUNING SPECIFICATIONS

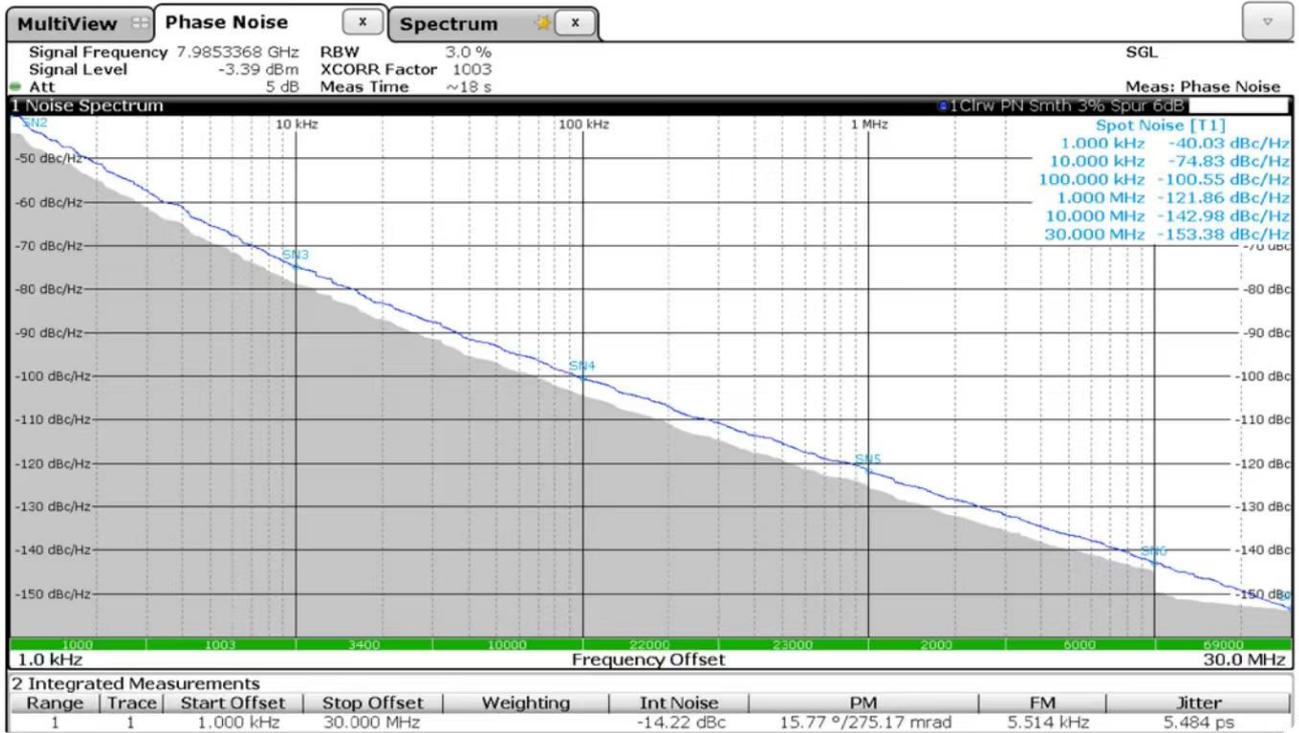
Tuning Voltage (V)	Frequency (MHz)
0.3	4000 (Max.)
5	5200 (Min.)
8	6200 (Min.)
12	7000 (Min.)
15	8000 (Min.)

ABSOLUTE MAXIMUM RATINGS

Storage Temp. Range	-55 to +125 °C
Bias Voltage	+5.5V
Tuning Voltage	+16 V
DC Voltage Applied to RF Out	+25V

TYPICAL PERFORMANCE CURVE

Phase Noise



OUTLINE AND SIZE

Unit:mm

