M3500-1324 (1350-2400 MHz)

1K. M3500-1324 VCO Technical Specifications

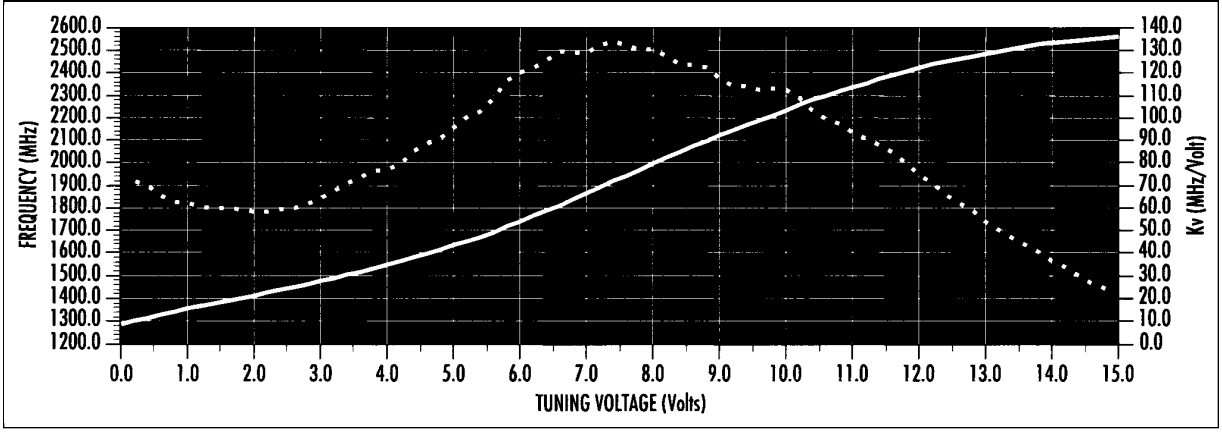
Absolute Maximum / Minimum Ratings	
PARAMETER	**RATING**
Maximum Supply Voltage	+15.0V
Tuning Voltage Min/Max	0/20V

Guaranteed Performance (0-70° C)	
PARAMETER	**DATA**
Power Dissipation	300 mW max
	(25 mA @ +12V)
Frequency Tuning Range	1350 to 2400 MHz min
Power Output (50Ω)	5 dBm min

Typical Performance (0-70° C)		
PARAMETER		**DATA**
Nominal Supply Voltage		+12V
Power Output (50Ω)		+7 dBm
Typical Current		20mA
Tuning Voltage		1.0-12.0 V
FM(Phase)Noise:	10 kHz Offset	<- 85 dBc/Hz
	100 kHz Offset	<-106 dBc/Hz
	1 MHz Offset	<-124 dBc/Hz
Frequency Pushing		4.0 MHz/V for 12 ± 1V
Frequency Pulling (12dB Return Loss)		34 MHz peak-peak
Harmonic Spurious (Average)		-12 dBc
Tuning Port Bandwidth:	@ Tuning Voltage = 2.0V	9.6 MHz
	@ Tuning Voltage = 8.0V	34.7 MHz
	@ Tuning Voltage = 12.0V	36.0 MHz

2K. Performance Curves for M3500-1324

1350-2400 MHz Typical Output Frequency / Modulation Sensitivity Versus Tuning Voltage



FREQUENCY ——— K_V ·····

1350-2400 MHz VCO Typical Output Power Versus Tuning Voltage

