

# M3500-1324 (1350-2400 MHz)

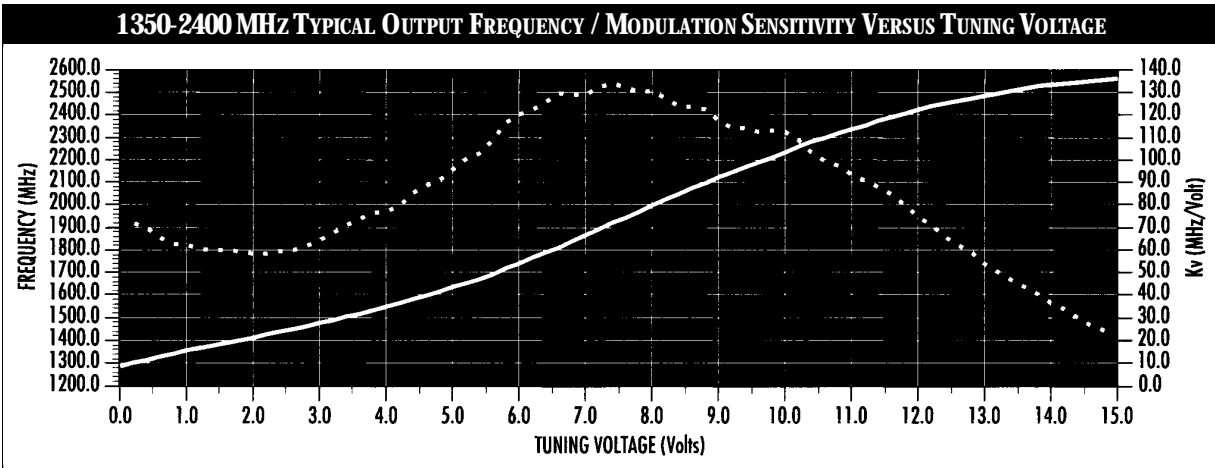
## 1K. M3500-1324 VCO TECHNICAL SPECIFICATIONS

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 (50 )	5 dBm min

TYPICAL PERFORMANCE (0-70° C)		
PARAMETER		DATA
Nominal Supply Voltage		+12V
Power Output (50 )		+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



FREQUENCY ————— Kv ········

