

M3500-2032 (2000-3200 MHz)

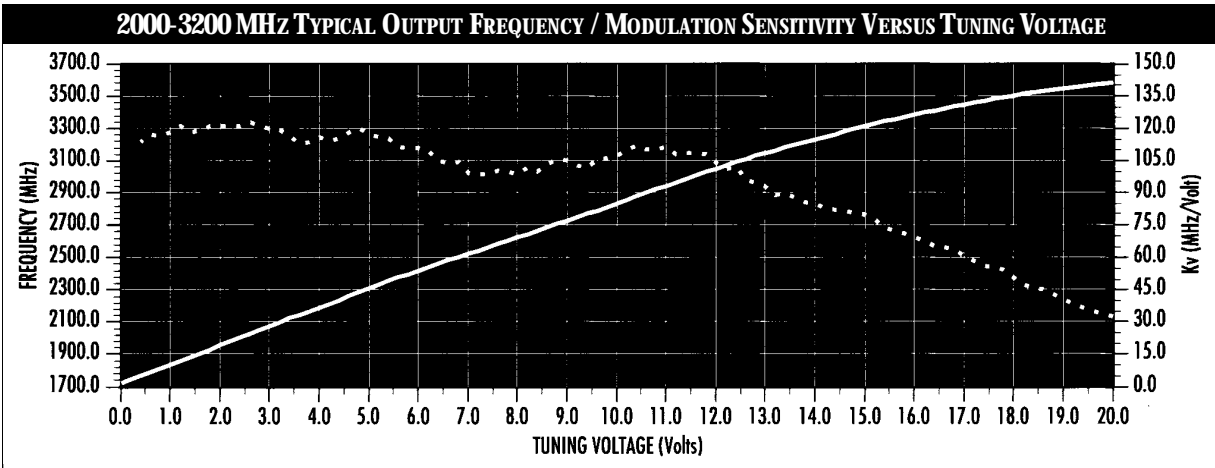
1L. M3500-2032 VCO TECHNICAL SPECIFICATIONS

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	600 mW max (50 mA @ +12V)
Frequency Tuning Range	2000 to 3200 MHz min
Power Output (50)	8 dBm min

TYPICAL PERFORMANCE (0-70° C)		
PARAMETER	DATA	
Nominal Supply Voltage	+12V	
Power Output (50)	+10 dBm	
Typical Current	45mA	
Tuning Voltage	2.0-14.0 V	
FM(Phase)Noise:	10 kHz Offset	<- 82 dBc/Hz
	100 kHz Offset	<-100 dBc/Hz
	1 MHz Offset	<-118 dBc/Hz
Frequency Pushing	3.5 MHz/V for 12 ± 1V	
Frequency Pulling (12dB Return Loss)	6 MHz peak-peak	
Harmonic Spurious (Average)	-15 dBc	
Tuning Port Bandwidth:	@ Tuning Voltage = 2.0V	16.1 MHz
	@ Tuning Voltage = 8.0V	29.8 MHz
	@ Tuning Voltage = 13.4V	36.4 MHz

2L. PERFORMANCE CURVES FOR M3500-2032



FREQUENCY ————— Kv

