

M3500-0510 (500-1000 MHz)

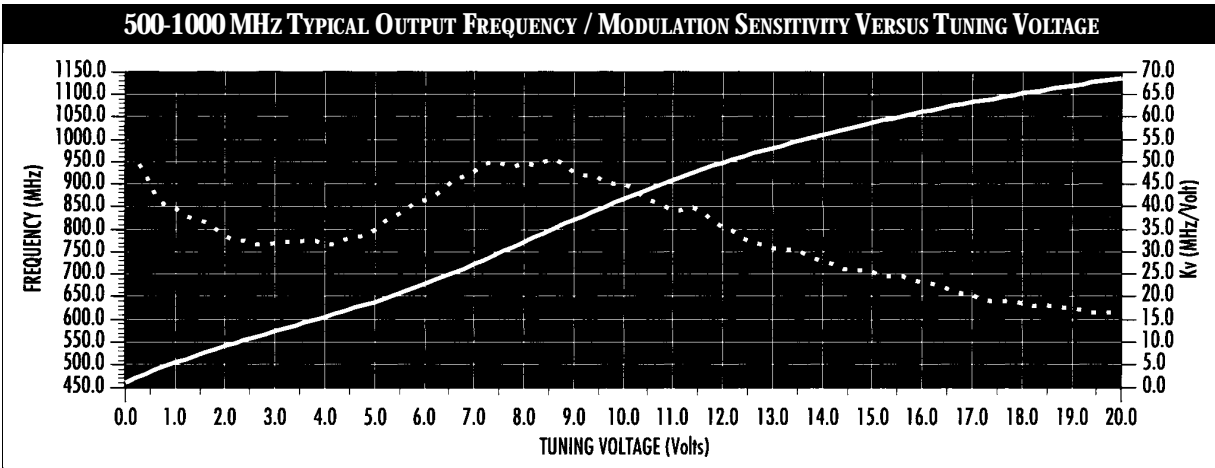
1G. M3500-0510 VCO TECHNICAL SPECIFICATIONS

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	480 mW max (40 mA @ +12V)
Frequency Tuning Range	500 to 1000 MHz min
Power Output (50)	9.5 dBm min

TYPICAL PERFORMANCE (0-70° C)		
PARAMETER		DATA
Nominal Supply Voltage		+12V
Power Output (50)		+12.5 dBm
Typical Current		33mA
Tuning Voltage		0.8-13.5 V
FM(Phase)Noise:	1 kHz Offset	-72 dBc/Hz
	10 kHz Offset	<-94 dBc/Hz
	100 kHz Offset	<-114 dBc/Hz
	1 MHz Offset	<-128 dBc/Hz
Frequency Pushing		0.6 MHz/V for 12 ± 1V
Frequency Pulling (12dB Return Loss)		10 MHz peak-peak
Harmonic Spurious (Average)		-11 dBc
Tuning Port Bandwidth:	@ Tuning Voltage = 1.2V	1.9 MHz
	@ Tuning Voltage = 4.8V	3.4 MHz
	@ Tuning Voltage = 13.6V	9.4 MHz

2G. PERFORMANCE CURVES FOR M3500-0510



FREQUENCY ————— Kv ·······

