

# M3500-0305 (300-500 MHz)

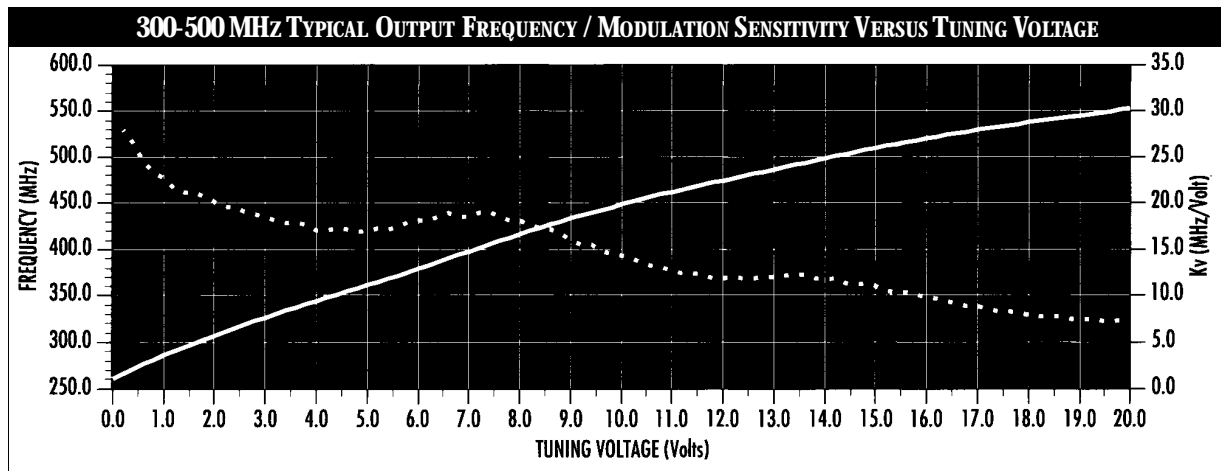
## 1D. M3500-0305 VCO TECHNICAL SPECIFICATIONS

ABSOLUTE MAXIMUM / MINIMUM RATINGS	
PARAMETER	RATING
Maximum Supply Voltage	+14.5V
Tuning Voltage Min/Max	0/20V

GUARANTEED PERFORMANCE (0-70° C)	
PARAMETER	DATA
Power Dissipation	360 mW max (30 mA @ +12V)
Frequency Tuning Range	300 to 500 MHz min
Power Output (50 )	9 dBm min

TYPICAL PERFORMANCE (0-70° C)		
PARAMETER		DATA
Nominal Supply Voltage		+12V
Power Output (50 )		+12 dBm
Typical Current		26mA
Tuning Voltage		1.6-14.0 V
FM(Phase)Noise:	1 kHz Offset	-78 dBc/Hz
	10 kHz Offset	<-100 dBc/Hz
	100 kHz Offset	<-118 dBc/Hz
	1 MHz Offset	<-130 dBc/Hz
Frequency Pushing		1.5 MHz/V for 12 ± 1V
Frequency Pulling (12dB Return Loss)		8 MHz peak-peak
Harmonic Spurious (Average)		-4 dBc
Tuning Port Bandwidth:	@ Tuning Voltage = 1.6V	1.1 MHz
	@ Tuning Voltage = 6.2V	1.8 MHz
	@ Tuning Voltage = 13.4V	3.9 MHz

## 2D. PERFORMANCE CURVES FOR M3500-0305



FREQUENCY ————— Kv .....

