

# M3500-0204 (200-400 MHz)

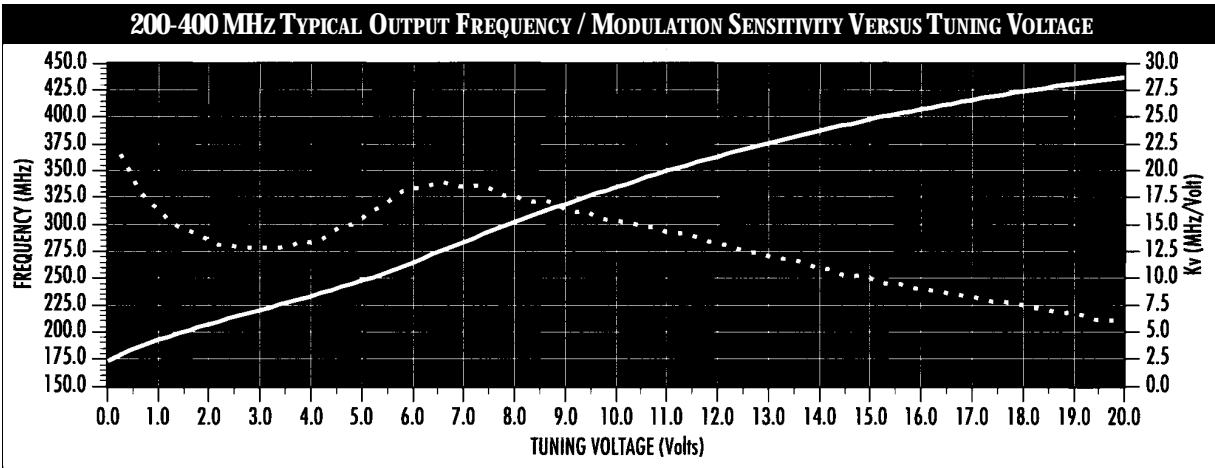
## 1C. M3500-0204 VCO TECHNICAL SPECIFICATIONS

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	420 mW max (35 mA @ +12V)
Frequency Tuning Range	200 to 400 MHz min
Power Output (50 )	10 dBm min

TYPICAL PERFORMANCE (0-70° C)		
PARAMETER		DATA
Nominal Supply Voltage		+12V
Power Output (50 )		+12.5 dBm
Typical Current		26mA
Tuning Voltage		1.6-15.4V
FM(Phase)Noise:	1 kHz Offset	-80 dBc/Hz
	10 kHz Offset	<-101 dBc/Hz
	100 kHz Offset	<-118 dBc/Hz
	1 MHz Offset	<-130 dBc/Hz
Frequency Pushing		0.3 MHz/V for 12 ± 1V
Frequency Pulling (12dB Return Loss)		5 MHz peak-peak
Harmonic Spurious (Average)		-4.5 dBc
Tuning Port Bandwidth:	@ Tuning Voltage = 1.8 V	640 kHz
	@ Tuning Voltage = 6.8V	1.2 MHz
	@ Tuning Voltage = 13.0V	1.4 MHz

## 2C. PERFORMANCE CURVES FOR M3500-0204



FREQUENCY ————— Kv ········

