

M3500-0204 (200-400 MHz)

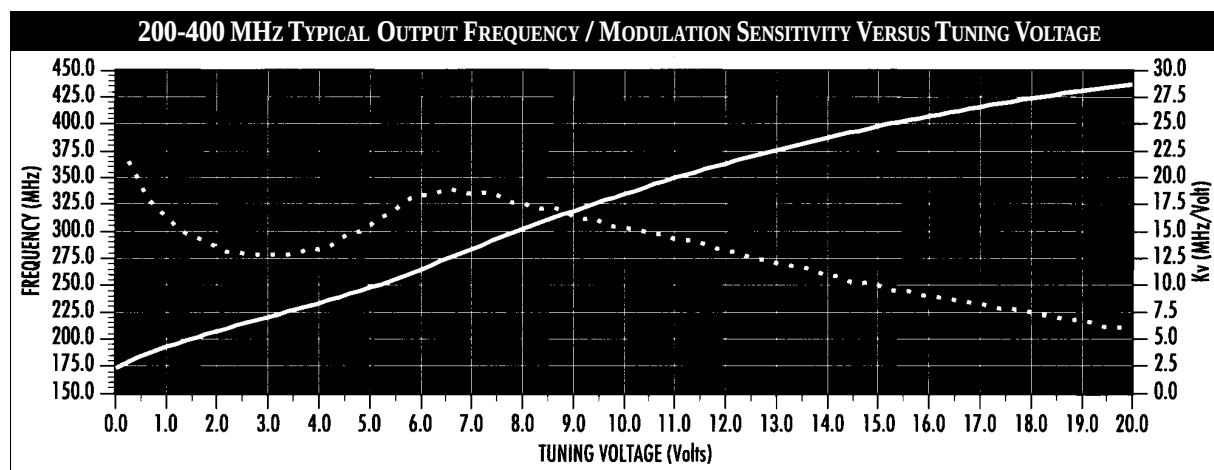
1C. M3500-0204 VCO TECHNICAL SPECIFICATIONS

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 (50W)	10 dBm min

TYPICAL PERFORMANCE (0-70° C)	
PARAMETER	DATA
Nominal Supply Voltage	+12V
Power Output (50W)	+12.5 dBm
Typical Current	26mA
Tuning Voltage	1.6-15.4V
FM(Phase)Noise:	1 kHz Offset
	10 kHz Offset
	100 kHz Offset
	1 MHz Offset
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
	@ Tuning Voltage = 6.8V
	@ Tuning Voltage = 13.0V

2C. PERFORMANCE CURVES FOR M3500-0204



FREQUENCY ————— Kv ·······

