

M3500-0408 (400-800 MHz)

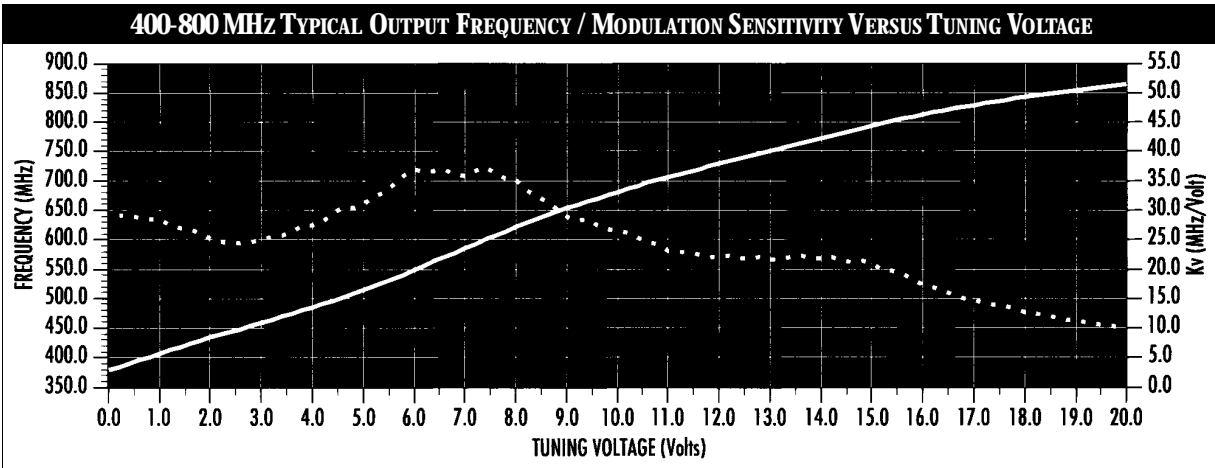
1F. M3500-0408VCO TECHNICAL SPECIFICATIONS

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	360 mW max (30 mA @ +12V)
Frequency Tuning Range	400 to 800 MHz min
Power Output (50)	10 dBm min

TYPICAL PERFORMANCE (0-70° C)		
PARAMETER		DATA
Nominal Supply Voltage		+12V
Power Output (50)		+10 dBm
Typical Current		26mA
Tuning Voltage		0.9 - 15.6 V
FM(Phase)Noise:	1 kHz Offset	-73 dBc/Hz
	10 kHz Offset	<-95 dBc/Hz
	100 kHz Offset	<-114 dBc/Hz
	1 MHz Offset	<-129 dBc/Hz
Frequency Pushing		1.0 MHz/V for 12 ± 1V
Frequency Pulling (12dB Return Loss)		10 MHz peak-peak
Harmonic Spurious (Average)		-12 dBc
Tuning Port DC Resistance		20K
Tuning Port Bandwidth:	@ Tuning Voltage = 2.8V	1.3 MHz
	@ Tuning Voltage = 9.4V	3.7 MHz
	@ Tuning Voltage = 17.2V	6.4 MHz

2F. PERFORMANCE CURVES FOR M3500-0408



FREQUENCY ————— Kv

