

M3500-0612 (600-1200 MHz)

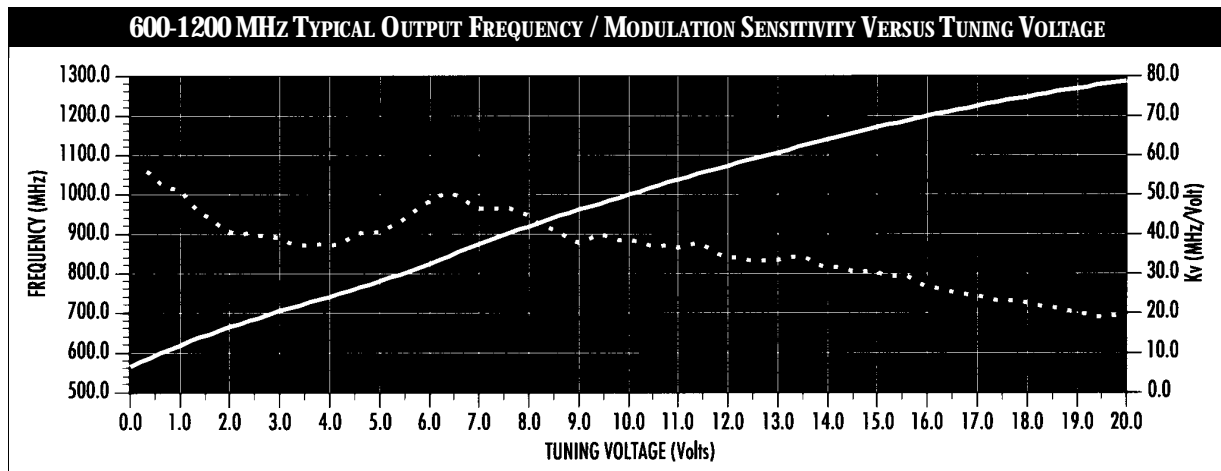
1H. M3500-0612 VCO TECHNICAL SPECIFICATIONS

ABSOLUTE MAXIMUM / MINIMUM RATINGS	
PARAMETER	RATING
Maximum Supply Voltage	+12.0V
Tuning Voltage Min/Max	0/20V

GUARANTEED PERFORMANCE (0-70° C)	
PARAMETER	DATA
Power Dissipation	300 mW max (25 mA @ +12V)
Frequency Tuning Range	600 to 1200 MHz min
Power Output (50)	5 dBm min

TYPICAL PERFORMANCE (0-70° C)		
PARAMETER		DATA
Nominal Supply Voltage		+12V
Power Output (50)		+7 dBm
Typical Current		22mA
Tuning Voltage		0.6-15.4 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	<-127 dBc/Hz
Frequency Pushing		1.0 MHz/V for 12 ± 1V
Frequency Pulling (12dB Return Loss)		13 MHz peak-peak
Harmonic Spurious (Average)		-10 dBc
Tuning Port Bandwidth:	@ Tuning Voltage = 2.6V	2.0 MHz
	@ Tuning Voltage = 8.0V	5.6 MHz
	@ Tuning Voltage = 14.8V	10.8 MHz

2H. PERFORMANCE CURVES FOR M3500-0612



FREQUENCY ————— Kv ········

