

M3500-2235 (2250-3500 MHz)

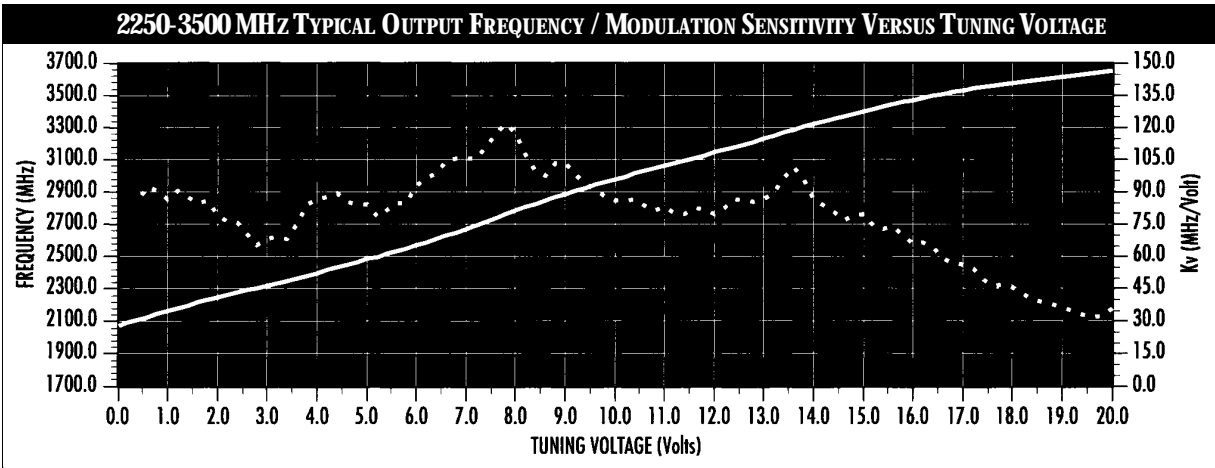
1M. M3500-2235 VCO TECHNICAL SPECIFICATIONS

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	540 mW max (45 mA @ +12V)
Frequency Tuning Range	2250 to 3500 MHz min
Power Output (50)	7 dBm min

TYPICAL PERFORMANCE (0-70° C)		
PARAMETER		DATA
Nominal Supply Voltage		+12V
Power Output (50)		+9 dBm
Typical Current		35mA
Tuning Voltage		1.4-16.0 V
FM(Phase)Noise:	10 kHz Offset	<- 83 dBc/Hz
	100 kHz Offset	<- 99 dBc/Hz
	1 MHz Offset	<-118 dBc/Hz
Frequency Pushing		7 MHz/V for 12 ± 1V
Frequency Pulling (12dB Return Loss)		1.5 MHz peak-peak
Harmonic Spurious (Average)		-20 dBc
Tuning Port Bandwidth:	@ Tuning Voltage = 1.0V	10.8 MHz
	@ Tuning Voltage = 8.0V	34.0 MHz
	@ Tuning Voltage = 16.5V	35.6 MHz

2M. PERFORMANCE CURVES FOR M3500-2235



FREQUENCY ————— Kv

