

M3500-0102 (100-200 MHz)

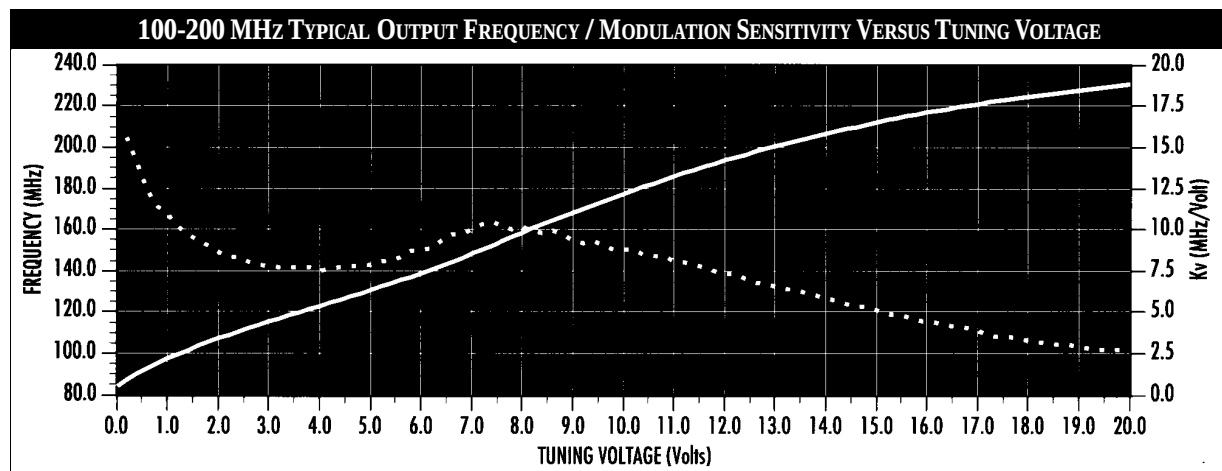
1A. M3500-0102 VCO TECHNICAL SPECIFICATIONS

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	480 mW max (40 mA @ +12V)
Frequency Tuning Range	100 to 200 MHz min
Power Output (50W)	11 dBm min

TYPICAL PERFORMANCE (0-70° C)		
PARAMETER		DATA
Nominal Supply Voltage		+12V
Power Output (50W)		+14dBm
Typical Current		27mA
Tuning Voltage		1.3-12.9V
FM(Phase)Noise:	1 kHz Offset-	-85 dBc/Hz
	10 kHz Offset	<-102 dBc/Hz
	100 kHz Offset	<-118dBc/Hz
	1 MHz Offset	<-130 dBc/Hz
Frequency Pushing		0.2 MHz/V for 12 ± 1V
Frequency Pulling (12dB Return Loss)		3 MHz peak-peak
Harmonic Spurious (Average)		-4 dBc
Tuning Port Bandwidth:	@ Tuning Voltage = 2.18V	410 kHz
	@ Tuning Voltage = 6.8V	560 kHz
	@ Tuning Voltage = 13.8V	700 kHz

2A. PERFORMANCE CURVES FOR M3500-0102



FREQUENCY ————— Kv ·······

