

M3500-2032 (2000-3200 MHz)

1L. M3500-2032 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	600 mW max (50 mA @ +12V)
Frequency Tuning Range	2000 to 3200 MHz min
Power Output (50V)	8 dBm min

TYPICAL PERFORMANCE (0-70° C)	
PARAMETER	DATA
Nominal Supply Voltage	+12V
Power Output (50V)	+10 dBm
Typical Current	45mA
Tuning Voltage	2.0-14.0 V
FM(Phase)Noise:	10 kHz Offset <- 82 dBc/Hz
	100 kHz Offset <-100 dBc/Hz
	1 MHz Offset <-118 dBc/Hz
Frequency Pushing	3.5 MHz/V for 12 ± 1V
Frequency Pulling (12dB Return Loss)	6 MHz peak-peak
Harmonic Spurious (Average)	-15 dBc
Tuning Port Bandwidth:	@ Tuning Voltage = 2.0V 16.1 MHz
	@ Tuning Voltage = 8.0V 29.8 MHz
	@ Tuning Voltage = 13.4V 36.4 MHz

2L. PERFORMANCE CURVES FOR M3500-2032

