

M3500-0613 (650-1300 MHz)

1L M3500-0613 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	300 mW max (25 mA @ +12V)
Frequency Tuning Range	650 to 1300 MHz min
Power Output (50)	5 dBm min

TYPICAL PERFORMANCE (0-70° C)		
PARAMETER		DATA
Nominal Supply Voltage		+12V
Power Output (50)		+8 dBm
Typical Current		22mA
Tuning Voltage		0.5-13.6 V
FM(Phase)Noise:	1 kHz Offset	-69 dBc/Hz
	10 kHz Offset	<-92 dBc/Hz
	100 kHz Offset	<-112 dBc/Hz
	1 MHz Offset	<-125 dBc/Hz
Frequency Pushing		1.5 MHz/V for 12 ± 1V
Frequency Pulling (12dB Return Loss)		15 MHz peak-peak
Harmonic Spurious (Average)		-11 dBc
Tuning Port Bandwidth:	@ Tuning Voltage = 2.4V	3.8 MHz
	@ Tuning Voltage = 5.4V	6.4 MHz
	@ Tuning Voltage = 11.0V	17.6 MHz

2L PERFORMANCE CURVES FOR M3500-0613

