

M3500-0916 (900-1600 MHz)

1J. M3500-0916 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	900 to 1600 MHz min
Power Output (50W)	5 dBm min

TYPICAL PERFORMANCE (0-70° C)	
PARAMETER	DATA
Nominal Supply Voltage	+12V
Power Output (50W)	+7 dBm
Typical Current	22mA
Tuning Voltage	1.0-10.5 V
FM(Phase)Noise:	1 kHz Offset
	10 kHz Offset
	100 kHz Offset
	1 MHz Offset
Frequency Pushing	1.5 MHz/V for 12 ± 1V
Frequency Pulling (12dB Return Loss)	16 MHz peak-peak
Harmonic Spurious (Average)	-12 dBc
Tuning Port Bandwidth:	@ Tuning Voltage = 2.4V
	@ Tuning Voltage = 5.4V
	@ Tuning Voltage = 11.0V

2J. PERFORMANCE CURVES FOR M3500-0916

