

M3500-0306 (300-600 MHz)

1E. M3500-0306 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	360 mW max (30 mA @ +12V)
Frequency Tuning Range	300 to 600 MHz min
Power Output (50W)	9.5 dBm min

TYPICAL PERFORMANCE (0-70° C)	
PARAMETER	DATA
Nominal Supply Voltage	+12V
Power Output (50W)	+9.5 dBm
Typical Current	26mA
Tuning Voltage	1.0-15.2 V
FM(Phase)Noise:	1 kHz Offset
	10 kHz Offset
	100 kHz Offset
	1 MHz Offset
Frequency Pushing	0.7 MHz/V for 12 ± 1V
Frequency Pulling (12dB Return Loss)	8 MHz peak-peak
Harmonic Spurious (Average)	-11 dBc
Tuning Port DC Resistance	20KW
Tuning Port Bandwidth:	@ Tuning Voltage = 2.4V
	@ Tuning Voltage = 7.2V
	@ Tuning Voltage = 14.8V

2E. PERFORMANCE CURVES FOR M3500-0306

