

M3500-0305 (300-500 MHz)

查询M3500-0305供应商

1D. M3500-0305 VCO TECHNICAL SPECIFICATIONS

ABSOLUTE MAXIMUM / MINIMUM RATINGS

PARAMETER	RATING
Maximum Supply Voltage	+14.5V
Tuning Voltage Min/Max	0/20V

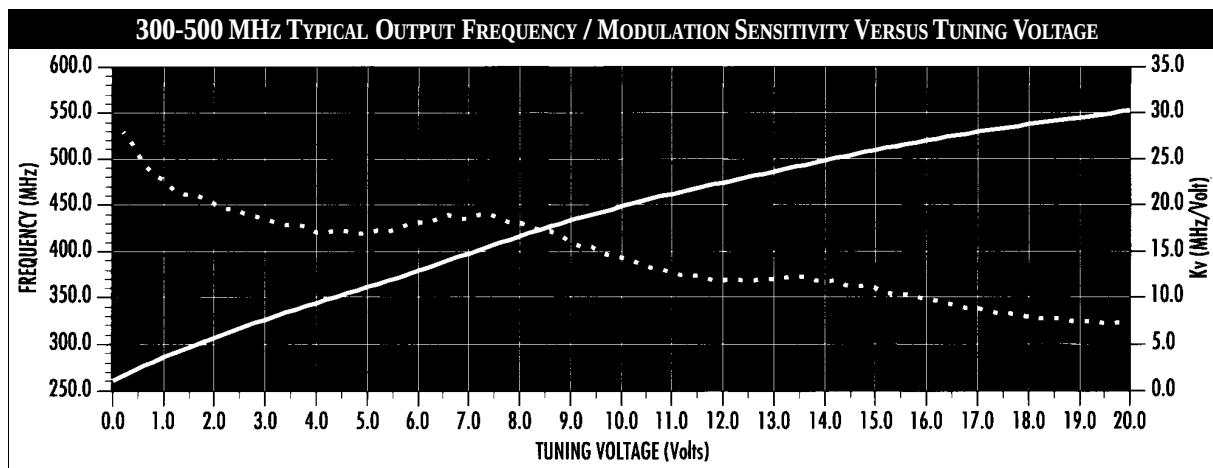
GUARANTEED PERFORMANCE (0-70° C)

PARAMETER	DATA
Power Dissipation	360 mW max (30 mA @ +12V)
Frequency Tuning Range	300 to 500 MHz min
Power Output (50W)	9 dBm min

TYPICAL PERFORMANCE (0-70° C)

PARAMETER	DATA
Nominal Supply Voltage	+12V
Power Output (50W)	+12 dBm
Typical Current	26mA
Tuning Voltage	1.6-14.0 V
FM(Phase)Noise:	1 kHz Offset -78 dBc/Hz
	10 kHz Offset <-100 dBc/Hz
	100 kHz Offset <-118 dBc/Hz
	1 MHz Offset <-130 dBc/Hz
Frequency Pushing	1.5 MHz/V for 12 ± 1V
Frequency Pulling (12dB Return Loss)	8 MHz peak-peak
Harmonic Spurious (Average)	-4 dBc
Tuning Port Bandwidth:	@ Tuning Voltage = 1.6V 1.1 MHz
	@ Tuning Voltage = 6.2V 1.8 MHz
	@ Tuning Voltage = 13.4V 3.9 MHz

2D. PERFORMANCE CURVES FOR M3500-0305



FREQUENCY ————— Kv ·······

