

PHASE NOISE (1 Hz BW, typical)



£(f) (dBc/Hz)

FEATURES
<ul style="list-style-type: none"> • Frequency Range: 345 - 355 MHz • Tuning Voltage: 0.5-4.5 Vdc • MINI-16 - Style Package
APPLICATIONS
<ul style="list-style-type: none"> • Satellite Modems • Mobile Radios • CATV

OFFSET (Hz)

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	345 - 355	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-105	dBc/Hz
Harmonic Suppression (2nd, typ.)	-9	dBc
Tuning Voltage	0.5-4.5	Vdc
Tuning Sensitivity (avg.)	25	MHz/V
Power Output	8±2	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	250	pF
Pushing	<1	MHz/V
Pulling (14dB Return Loss, Any Phase)	<2	MHz
Operating Temperature Range	-40 to 85	°C
Package Style	MINI-16	
POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	13	mA

All specifications are typical unless otherwise noted and subject to change without notice.

APPLICATION NOTES
<ul style="list-style-type: none"> • AN-100/1 : Mounting and Grounding of VCOs • AN-102 : Proper Output Loading of VCOs • AN-107 : How to Solder Z-COMM VCOs
NOTES:

TUNING CURVE, typ.

FREQUENCY (MHz)

- 85 °C
- 25 °C
- -40 °C

TUNING VOLTAGE (Vdc)

POWER CURVE, typ.

POWER OUTPUT (dBm)

- 25 °C

FREQUENCY (MHz)

PHYSICAL DIMENSIONS

