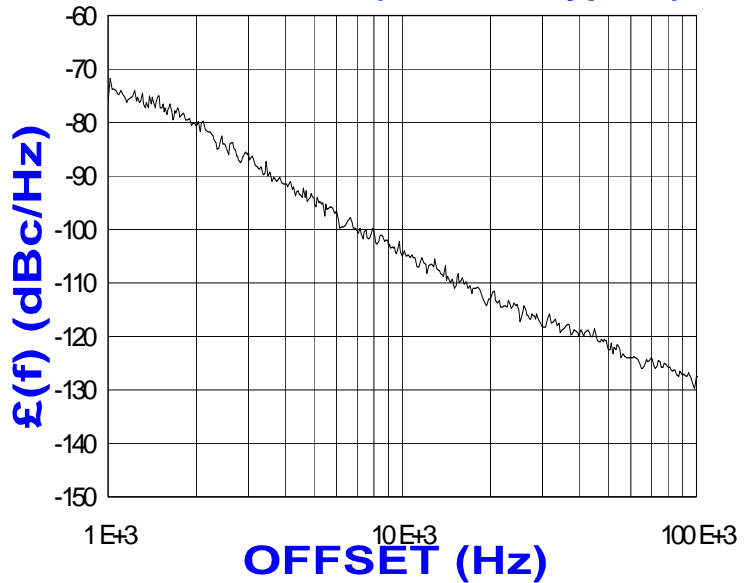


**PHASE NOISE (1 Hz BW, typical)**



FEATURES
• Frequency Range: 3305 - 3335 MHz
• Step Size: 125 KHz
• PLL - Style Package

APPLICATIONS
• Telecommunications
• Satellite
• Telemetry

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Frequency Range	3305 - 3335	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-106	dBc/Hz
Harmonic Suppression (2nd, typ.)	-12	dBc
Sideband Spurs (typ.)	-70	dBc
Power Output	0±3	dBm
Load Impedance	50	Ω
Step Size	125	KHz
Charge Pump Output Current	5000	μA
Switching Speed (typ., adjacent channel)	3	mSec
Startup Lock Time (typ.)	1	mSec
Operating Temperature Range	-40 to 85	°C
Package Style	PLL	

POWER SUPPLY REQUIREMENTS	VALUE	UNITS
Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	30	mA

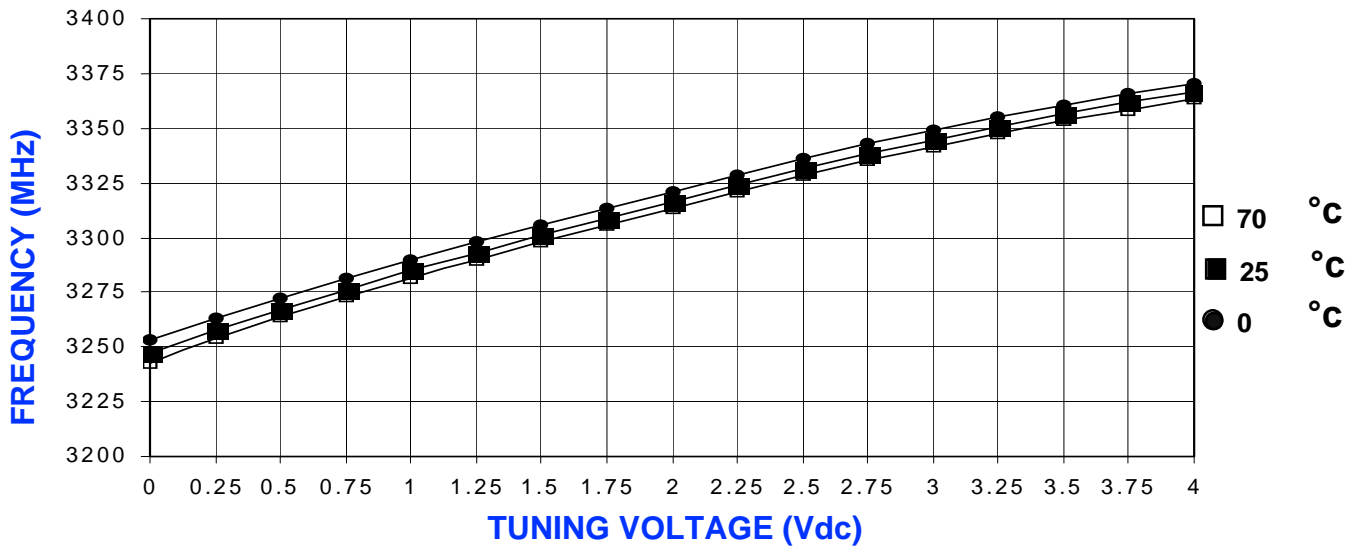
All specifications are typical unless otherwise noted and subject to change without notice.

APPLICATION NOTES
• AN-107 : How to Solder Z-COMM VCOs / PLLs
• AN-200 : Mounting and Grounding of Z-COMM PLLs
• AN-201 : PLL Fundamentals      AN-202 : PLL Functional Description

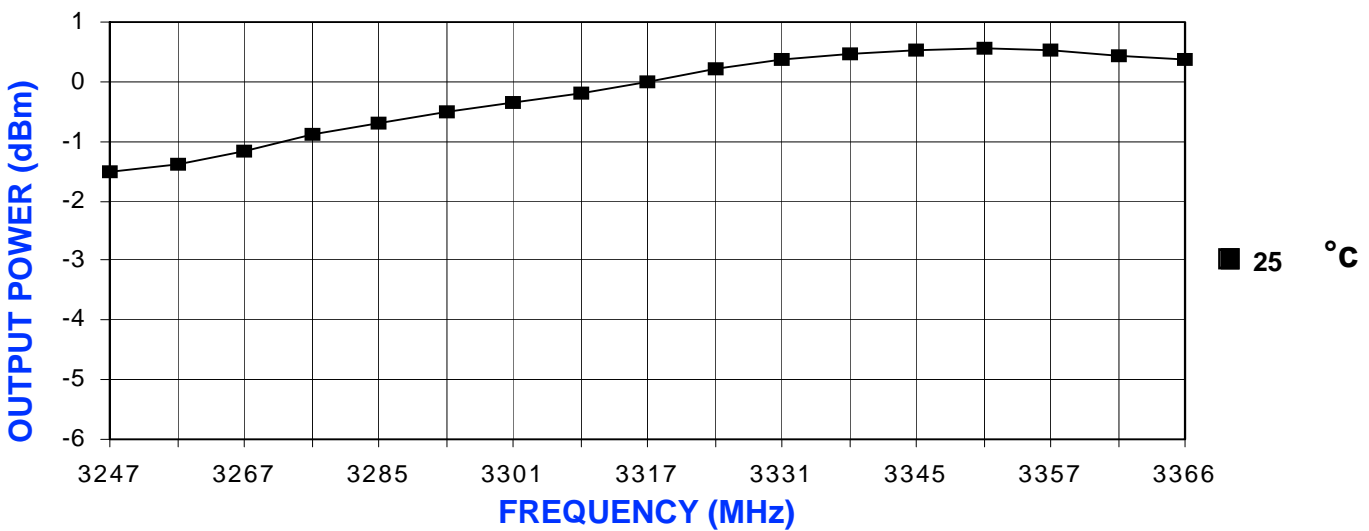
**NOTES:**

Reference Oscillator Signal: 5 MHz <math>f\_{osc}</math> <math>< 100</math> MHz      Prescaler: 32  
 Frequency Synthesizer: Analog Devices - ADF4106

**VCO TUNING CURVE, typ.**



**VCO POWER CURVE, typ.**



**PHYSICAL DIMENSIONS**

