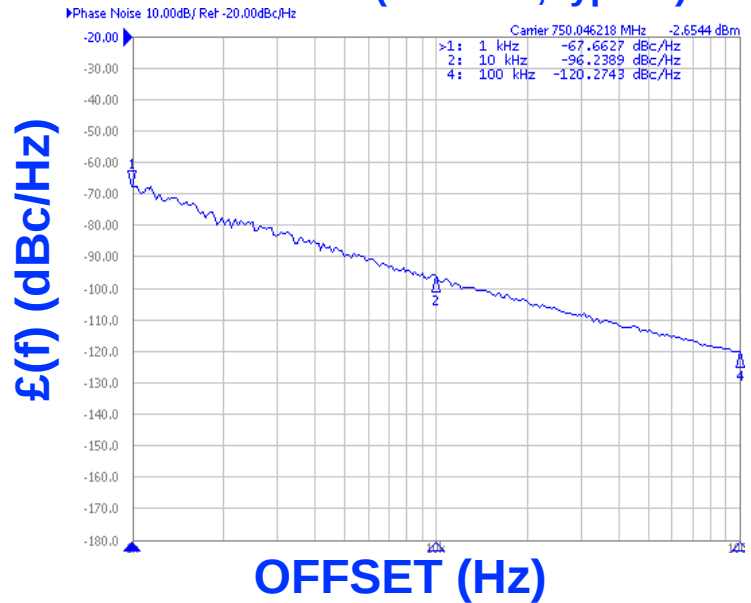




PHASE NOISE (1 Hz BW, typical)



FEATURES

- Frequency Range: 500 - 1000 MHz
- Tuning Voltage: 0.8-13.5 Vdc
- MINI-16 - Style Package

APPLICATIONS

- Mobitex Radios
- RF Modems
- Satellite Communications

PERFORMANCE SPECIFICATIONS

	VALUE	UNITS
Oscillation Frequency Range	500 - 1000	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-94	dBc/Hz
Harmonic Suppression (2nd, typ.)	-40	dBc
Tuning Voltage	0.8-13.5	Vdc
Tuning Sensitivity (avg.)	46	MHz/V
Power Output	2±4	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	150	pF
Pushing	<3	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.)	12	Vdc
Supply Current (Icc, typ.)	21	mA

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

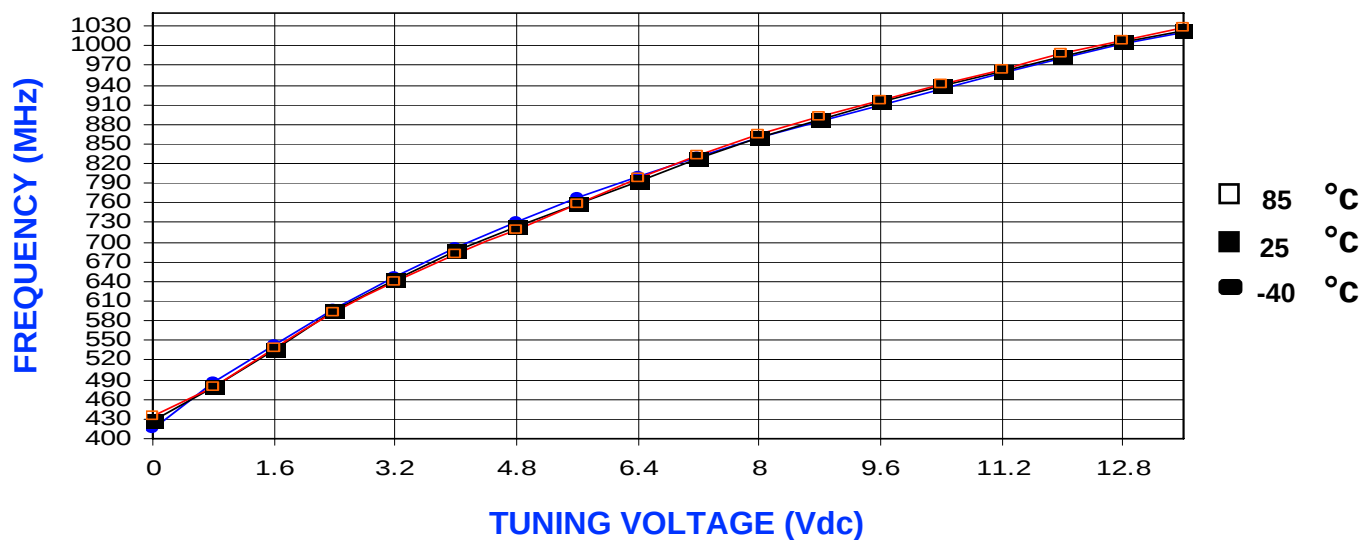
APPLICATION NOTES

- AN-100/1 : Mounting and Grounding of VCOs
- AN-102 : Proper Output Loading of VCOs
- AN-107 : How to Solder Z-COMM VCOs

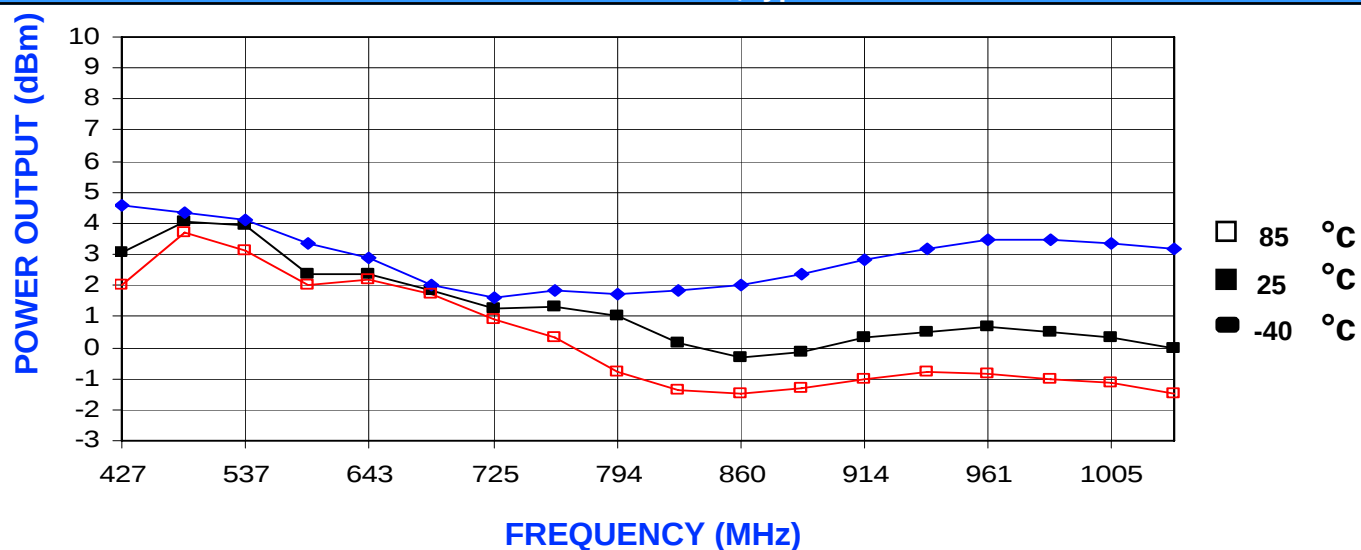
NOTES:

This is a new datasheet for this part with its current phase noise.

TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS

