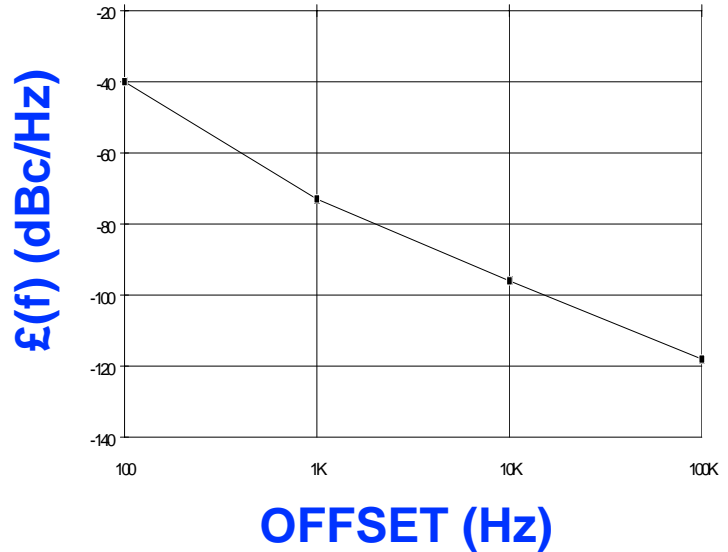


**PHASE NOISE (1 Hz BW, typical)**



**FEATURES**

- Frequency Range: 920 - 1455 MHz
- Tuning Voltage: 0-12 Vdc
- S - Style Package

**APPLICATIONS**

- CATV
- Earthstations
- Up/Down Converter

**PERFORMANCE SPECIFICATIONS**

	VALUE	UNITS
Oscillation Frequency Range	920 - 1455	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-95	dBc/Hz
Harmonic Suppression (2nd, typ.)	-10	dBc
Tuning Voltage	0-12	Vdc
Tuning Sensitivity (avg.)	45	MHz/V
Power Output	13±3	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	50	pF
Pushing	<1	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<25	MHz
Operating Temperature Range	-40 to 85	°C
Package Style	S	

**POWER SUPPLY REQUIREMENTS**

Supply Voltage (Vcc, nom.)	12	Vdc
Supply Current (Icc, typ.)	35	mA

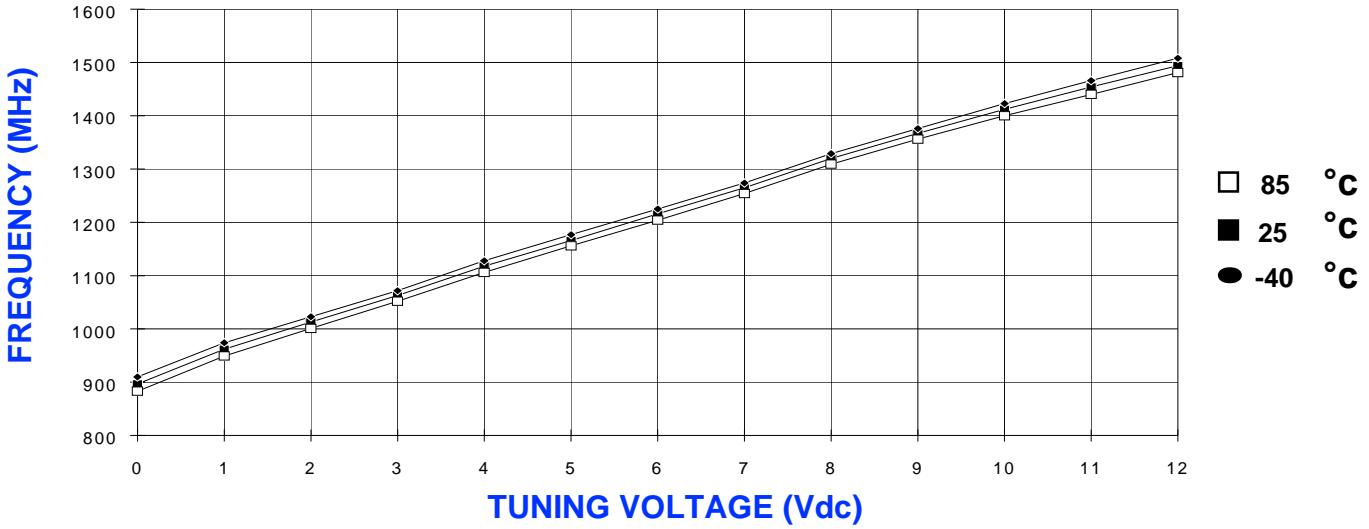
All specifications are typical unless otherwise noted and subject to change without notice.

**APPLICATION NOTES**

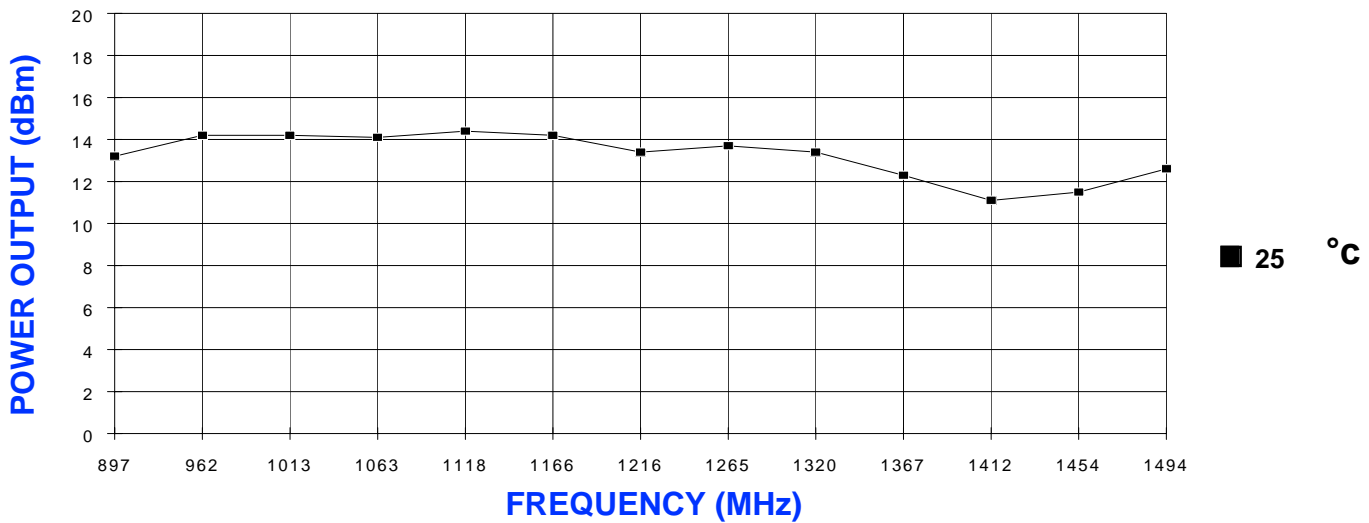
- AN-100/1 : Mounting and Grounding of VCOs
- AN-102 : Proper Output Loading of VCOs
- AN-107 : How to Solder Z-COMM VCOs

**NOTES:**

**TUNING CURVE, typ.**

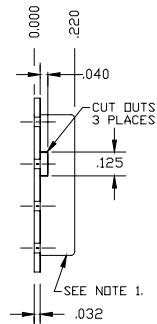
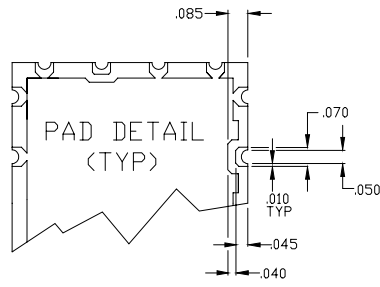
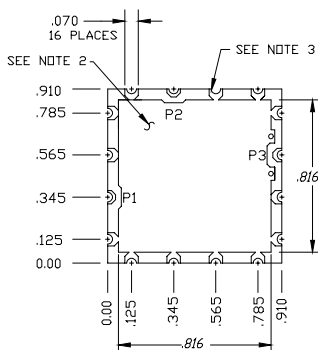


**POWER CURVE, typ.**



**PHYSICAL DIMENSIONS**

S PACKAGE  
415-0025 REV. F  
(DRAWING NOT TO SCALE)



**NOTES:**

1. METAL CASE IS GROUND AND IS COMPOSED OF TIN PLATED BRASS.
2. THIS AREA IS GROUND AND IS SOLDER WETTED
3. RADIAL SURFACES ARE PLATED THRU FROM THE PAD ON THE TOP SIDE TO THE PAD ON THE BOTTOM SIDE.
4. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.

UNLESS OTHERWISE NOTED  
TOLERANCES ARE:  
XXX= ±0.010

P1=RF OUT  
P2=Vcc  
P3=Vt

