

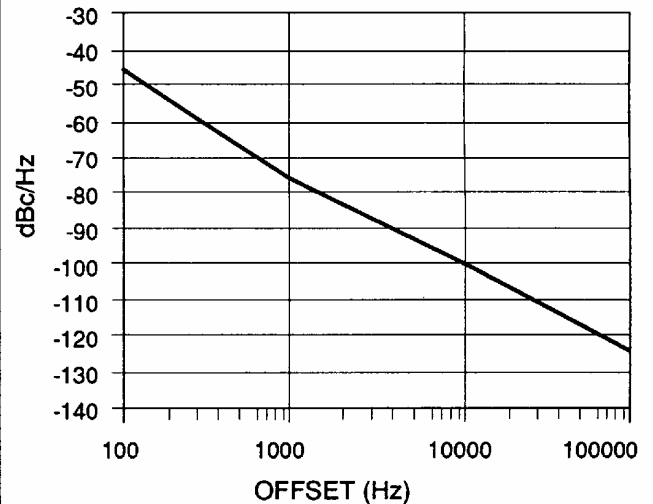
### FEATURES

- Small Size Pin Version
- 12 MHz/V Tuning
- Tuning Range 850-925 MHz
- RF Shield Enclosure
- Tuning Voltage 1-8 Vdc

### APPLICATIONS

- Satellite Communications
- Test Equipment
- CATV
- Microwave Relay Links
- Cellular Telephone

### PHASE NOISE (1Hz BW) (TYP)



### PERFORMANCE SPECIFICATIONS

PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	850 - 925	MHz
Phase Noise (@ 10KHz offset, 1 Hz Bandwidth)	-100	dBc
Harmonic Suppression (2nd, typ)	-10	dBc
Tuning Voltage	1 - 8	Vdc
Tuning Sensitivity (avg.)	12	MHz/V
Power Output (into 50 Ω)	+14.5 ± 1.5	dBm
Load Impedance	50	Ω
Input Capacitance (max )	50	pF
Pushing	< 1	MHz/V
Pulling (12 dB Return Loss, Any Phase)	16	MHz
Operating Temperature Range	0 to 70	°C

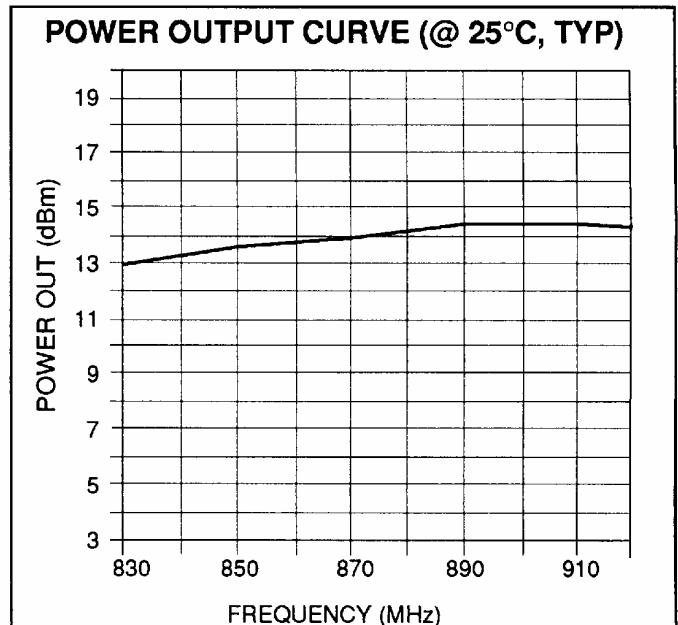
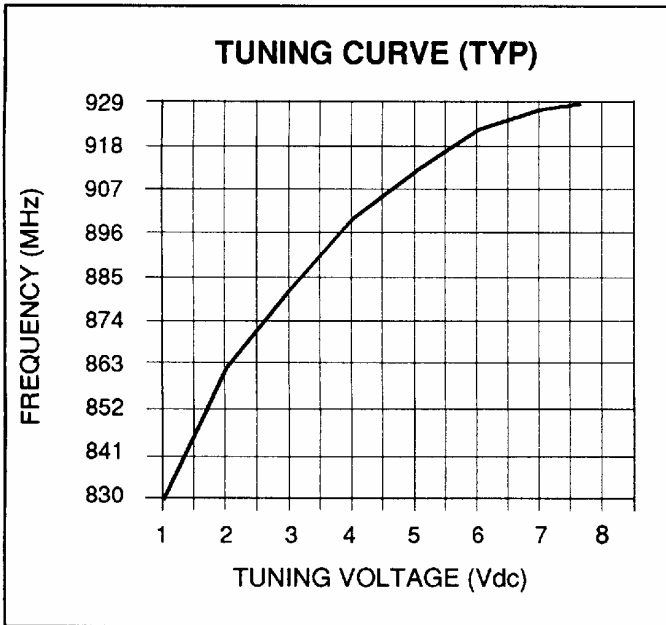
### POWER SUPPLY REQUIREMENTS

Supply Voltage (Vcc)	12	Vdc
Supply Current (Icc)(max)	46	mA

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

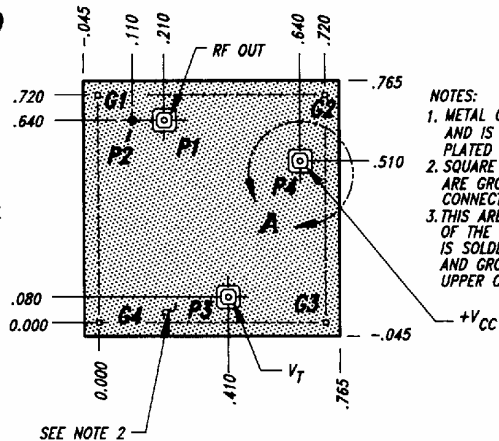
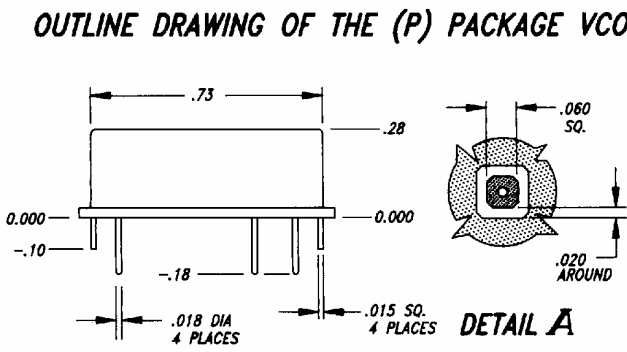
### APPLICATION NOTES

1. For proper mounting and grounding of VCO, refer to application note AN-101.
2. For proper loading of VCO, refer to application note AN-102.
3. Available in ALC1 enclosure with buffered SMA output (see ALC1 data sheet).



### PHYSICAL DIMENSIONS

#### OUTLINE DRAWING OF THE (P) PACKAGE VCO



- NOTES:
- METAL CASE IS GROUND AND IS COMPOSED OF TIN PLATED BRASS.
  - SQUARE PINS G1 THRU G4 ARE GROUND PINS WHICH ARE CONNECTED TO THE METAL CASE.
  - THIS AREA OF THE REAR OF THE ENCLOSURE IS SOLDER WETTED AND GROUNDED TO THE UPPER CASE.

SEE NOTE 2

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