

## **FEATURES**

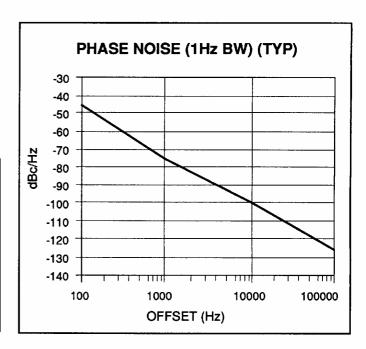
- Small Size Surface Mount Version
- Fast Tuning
- RF Shield Enclosure
- Tuning Range 860-1500 MHz
- Tuning Voltage 0-11 Vdc

## **APPLICATIONS**

- Satellite Communications
- Test Equipment

• CATV

Microwave Relay Links



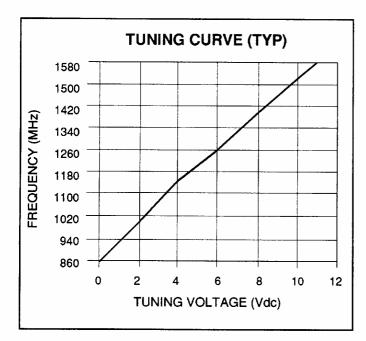
PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	860 - 1500	MHz
Phase Noise (@ 10KHz offset, 1 Hz Bandwidth)	-100	dBc
Harmonic Suppression (2nd, typ)	-10	dBc
Tuning Voltage	0 - 11	Vdc
Tuning Sensitivity (avg.)	50	MHz/V
Power Output (into 50 Ω)	+12 ± 2	dBm
Load Impedance	50	Ω
Input Capacitance (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)	40	mA

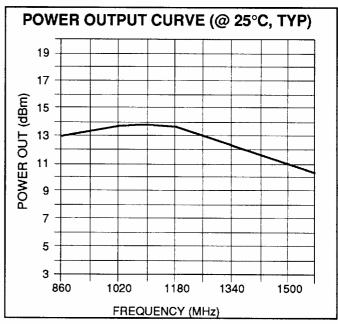
All specifications are typical unless otherwise noted and subject to change without notice.

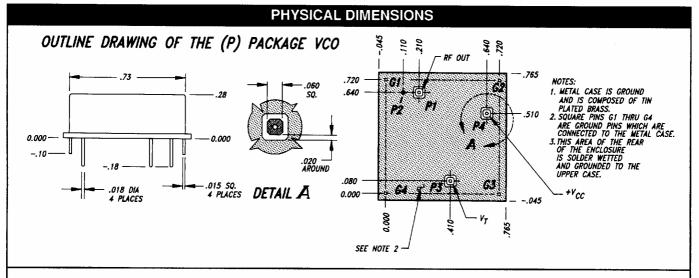
## **APPLICATION NOTES**

- 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).









Notes: