



查询PSA3330C供应商

**Z-Communications, Inc.**

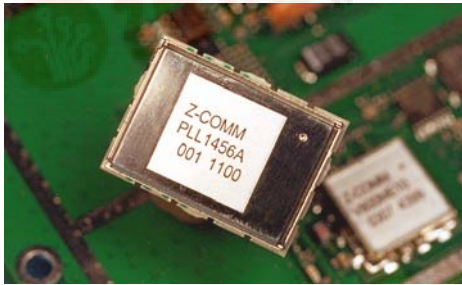
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捷多邦，专业PCB打样工厂，24小时加急出货

**PSA3330C**

**PHASE LOCKED LOOP**

Rev A1



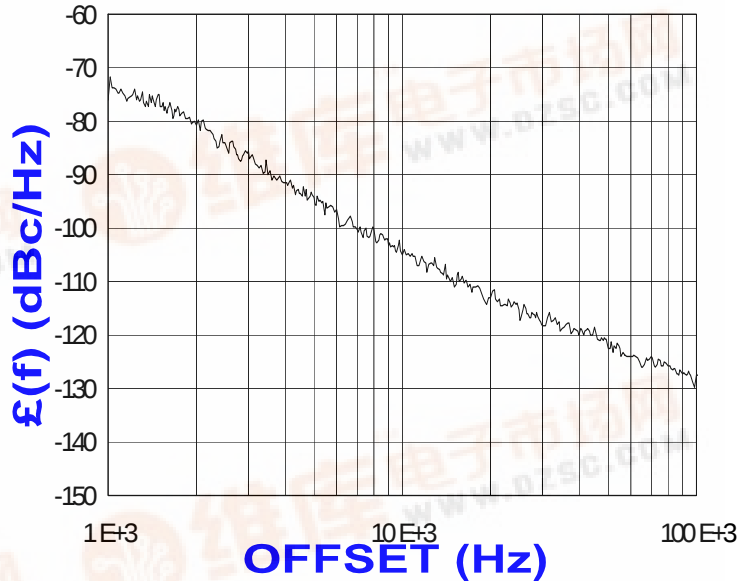
#### FEATURES

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

#### APPLICATIONS

- Telecommunications
- Satellite
- Telemetry

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



#### 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

|                            |    |     |
|----------------------------|----|-----|
| 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

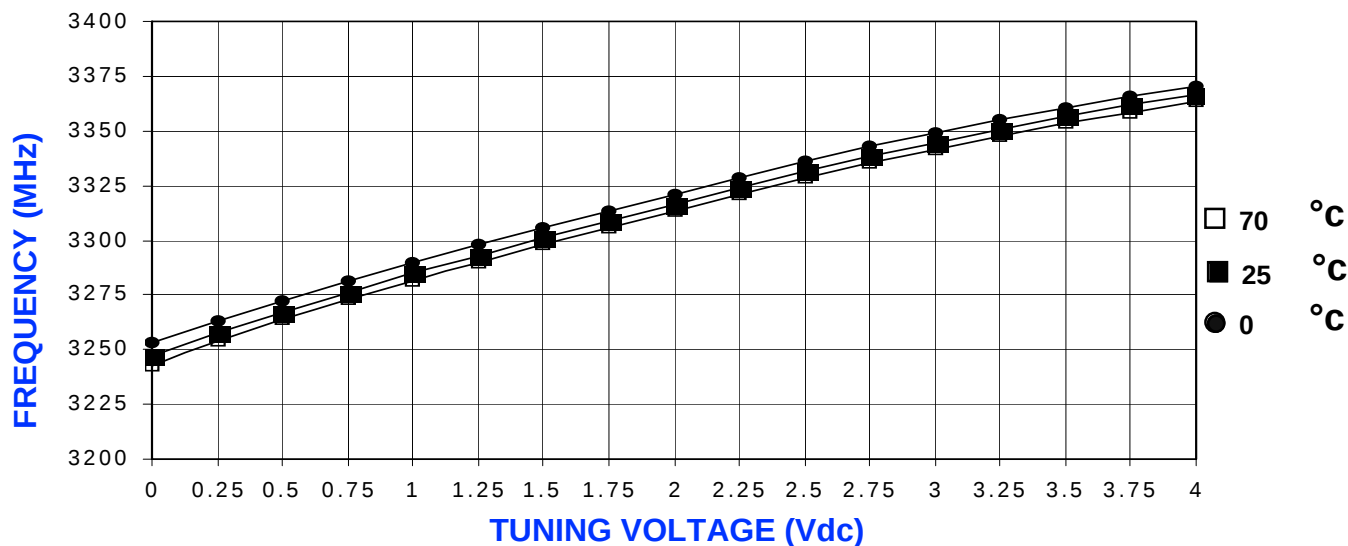
- AN-107 : How to Solder Z-COMM VCOs / PLLs
- AN-200 : Mounting and Grounding of Z-COMM PLLs
- AN-201 : PLL Fundamentals      AN-202 : PLL Functional Description

#### NOTES:

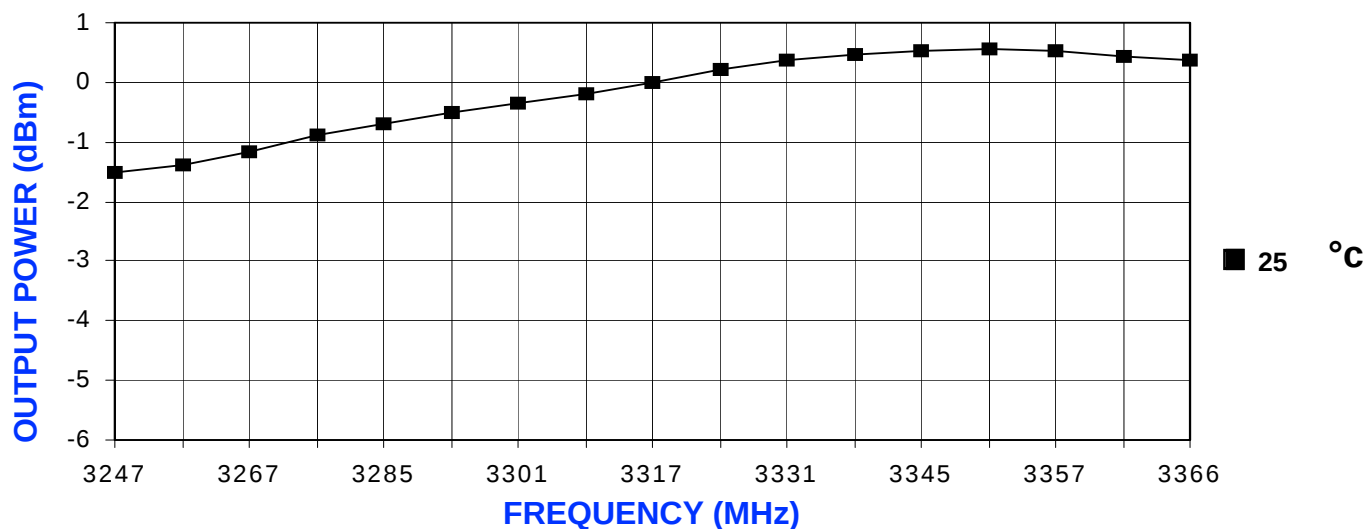
Reference Oscillator Signal:  $5 \text{ MHz} < f_{\text{osc}} < 100 \text{ MHz}$   
Frequency Synthesizer: Analog Devices - ADF4106

Prescaler: 32

VCO TUNING CURVE, typ.



VCO POWER CURVE, typ.



PHYSICAL DIMENSIONS

