

- **Tight Stability; Low profile SMT package**
- **Frequency Range: 10MHz - 300MHz**
- **Output Signal: CMOS (ZT600) Sine (ZT601)**
- **Package outline 25.40 x 29.21 x 5.08 mm**



SPECIFICATIONS

| | |
|------------------------|---|
| Frequency Range: | 10.0MHz to 300.0MHz |
| Output | Series ZT600: CMOS (ACMOS available 10 to 125MHz) Series ZT601: Sine Wave, 0dBm into 50Ω |
| Harmonics: | -20dBc (Sine Wave version) |
| Symmetry: | 50%±10% |
| Temperature Stability: | See table |
| Frequency vs. Supply: | ±1x10 ⁻⁷ per % change |
| Ageing: | <1ppm/year |
| Input Voltage: | +5.0 V or +3.3VDC |
| Frequency Adjust: | ±5.0ppm typical, positive slope 0 to Vdd EFC |

STABILITY OVER TEMPERATURE

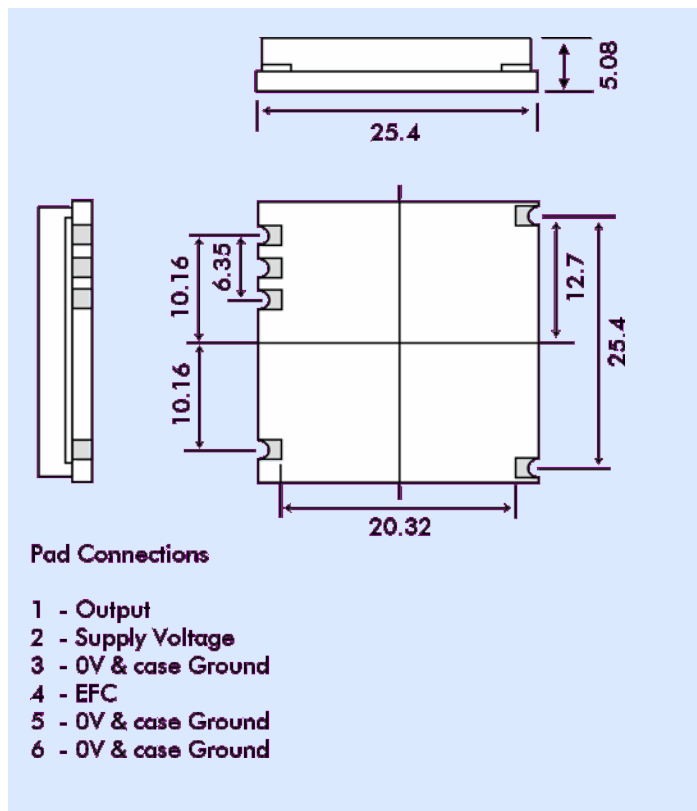
| Temp. Range | Stability | Part No. Code |
|-------------|---------------------|---------------|
| -10~+60°C | ±2x10 ⁻⁷ | G27 |
| -20~+70°C | ±3x10 ⁻⁷ | N37 |
| -40~+85°C | ±5x10 ⁻⁷ | T57 |
| -40~+85°C | ±1x10 ⁻⁶ | T16 |

PHASE NOISE

(At 10MHz +5V, Typical)

| Offset | dBc/Hz |
|--------|--------|
| 10Hz | -95 |
| 100Hz | -125 |
| 1kHz | -140 |
| 10kHz | -150 |
| 100kHz | -155 |

ZT600 - OUTLINES AND DIMENSIONS



PART NUMBERING

Example: **ZT601-T57-3.3-20.0MHz**

