EUROQUARTZ

ZT600/601 TCXO

Tight Temperature Stability — 10MHz to 300MHz

- **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**

RoHS

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:	$\pm 1x10^{-7}$ per % change
Ageing:	<1ppm/year
Input Voltage:	+5.0 V or +3.3VDC
Frequency Adjust:	±5.0ppm typical, positive slope 0 to Vdd EFC

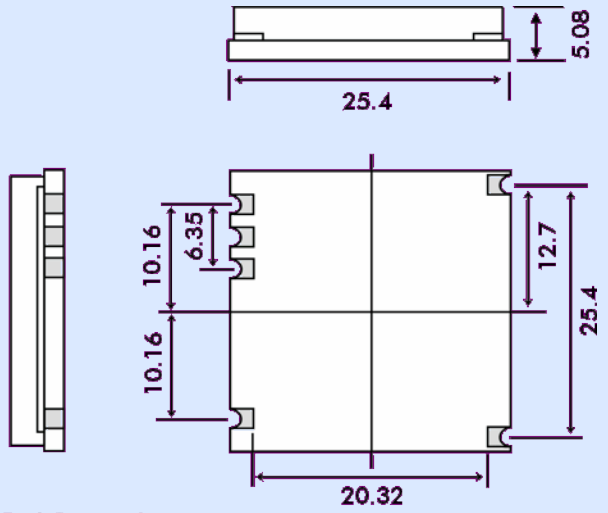
STABILITY OVER TEMPERATURE

Temp. Range	Stability	Part No. Code
-10~+60°C	$\pm 2x10^{-7}$	G27
-20~+70°C	$\pm 3x10^{-7}$	N37
-40~+85°C	$\pm 5x10^{-7}$	T57
-40~+85°C	$\pm 1x10^{-6}$	T16

PHASE NOISE
(At 10MHz +5V, Typical)

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

ZT600 - OUTLINES AND DIMENSIONS

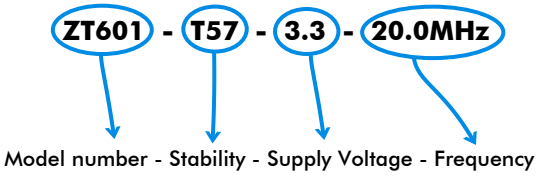


Pad Connections

1 - Output
2 - Supply Voltage
3 - 0V & case Ground
4 - EFC
5 - 0V & case Ground
6 - 0V & case Ground

PART NUMBERING

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



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