EUROQUARTZ

GW14 VCXO 50.0MHz ~ 800.0MHz

14 pin Dual-in-Line

Frequency range 50.01MHz to 800MHz

GW14 VCXOs, are packaged in an industry-standard, 14 pin Dual-in-Line package. GW14 VCXOs incorporate a high Q fundamental

50.01MHz to 800.0MHz

2.6ps typical, 4.0ps maximum

4.3ps typical (for 155.250MHz)

Tune to the nominal frequency

From ±30ppm to ±150ppm

10ms maximum, 5ms typical

30mA maximum (15pF load)

40mA maximum (15pF load) 10% maximum, 6% typical

Monotonic and Positive. (An

increase of control voltage always increases output

±5ppm per year maximum

Not available (4 pad package)

1.2ns typical (15pF load)

25kHz minimum

2 M Ω minimum

frequency.) -50° to +100°C

Fully compliant

50% ±5% measured at 50% Vdd

with $Vc = 1.65 \pm 0.2VDC$

90% Vdd minimum

10% Vdd maximum

27.0ps typical (for 155.250MHz)

3.3 VDC ±5%

(for 155.250MHz)

See table below

LVCMOS

See table

15pF

LVCMOS Output

DESCRIPTION

SPECIFICATION

Frequency Range:

Integrated Phase Jitter:

Period Jitter Peak to peak:

Initial Frequency Accuracy:

Output Voltage HIGH (1):

Output Voltage LOW (0):

Temperature Stability:

Current Consumption <96MHz:

Modulation Bandwidth: Input Impedance:

Storage Temperature:

Enable/Disable (Tristate):

>96MHz:

Supply Voltage: Output Logic:

Period Jitter RMS:

Phase Noise:

Pulling Range:

Output Load:

Start-up Time:

Rise/Fall Times:

Duty Cycle:

Linearity:

Ageing:

RoHS Status:

Slope Polarity: (Transfer function)

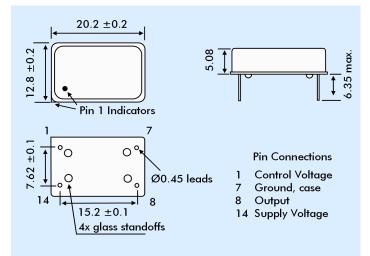
- Supply Voltage 3.3 VDC
- High Q fundamental mode crystal

crystal and a low jitter multiplier circuit.

Low jitter multiplier circuit



OUTLINE & DIMENSIONS



PHASE NOISE

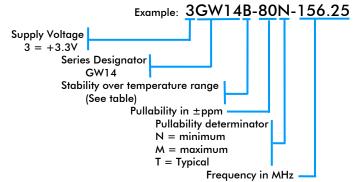
Offset	Frequency 155.25MHz	
10Hz	-65dBc/Hz	
100Hz	-95dBc/Hz	
1kHz	-120dBc/Hz	
10kHz	-125dBc/Hz	
100kHz	-121dBc/Hz	
1MHz	-120dBc/Hz	
10MHz	-140dBc/Hz	

FREQUENCY STABILITY

Stability Code	Stability ±ppm	Temp. Range	
А	25	0°~+70°C	
В	50	0°~+70°C	
С	100	0°~+70°C	
D	25	-40°~+85°C	
E	50	-40°~+85°C	
F	100	-40°~+85°C	
If non-standard frequency stability is required			

Use 'I' followed by stability, i.e. I20 for ±20ppm

PART NUMBERING



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