EUROQUARTZ

YH1322 SERIES OCXO

Very Low Phase Noise - HCMOS or Sinewave 10MHz to 120MHz

- **Very low phase noise**
- **Frequency Range: 10MHz - 120MHz**
- **Excellent stability**

RoHS

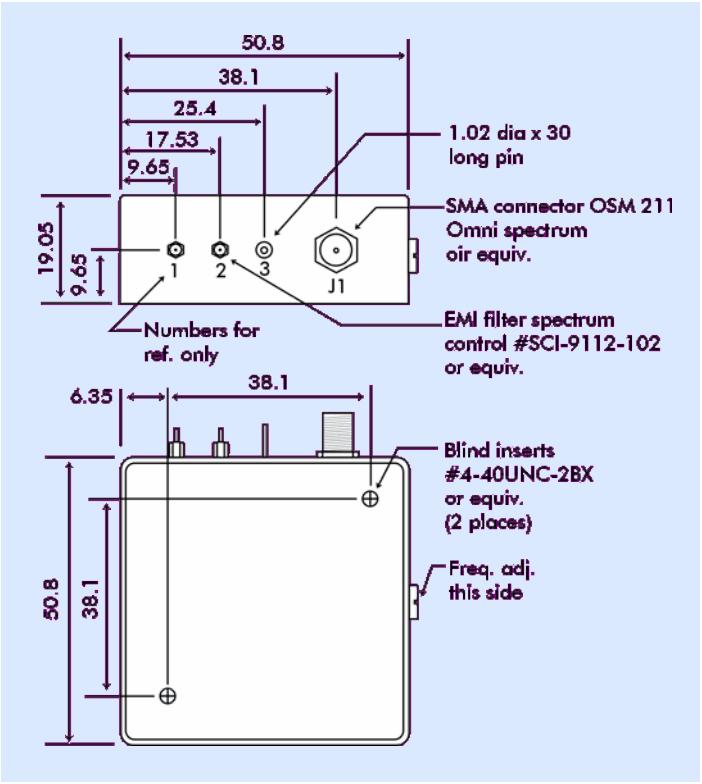
DESCRIPTION

YH1322 series are high stability OCXOs exhibiting very low phase noise. The part is ideal for use in base station or test equipment applications.

SPECIFICATIONS

Frequency Range:	10.0MHz to 120.0MHz
Output:	Sinewave: +10dBm min. into 50Ω
Harmonics:	-20dBc
Temperature Stability:	*See table*
Freq. vs. Supply:	±5 x 10^{-9} for a 5% change
Ageing:	±1 x 10^{-7} per year (10MHz) ±5 x 10^{-7} per year (100MHz)
Input Voltage:	+15.0 VDC ±5% - Option C +12.0 VDC ±5% - Option D
Input Power:	
Warmup:	<6W for 5 minutes
Idle:	<2.5W typical @ +25°C
Warm-up Time:	within ±5 x10^{-8} in 5 minutes, referenced to 60 minute frequency @ +25°C
Phase Noise:	*See table*
Frequency Adjustment:	±1.0ppm, typical, Positive slope +0.5 to +5.0 EFC
Shock (optional):	MIL-STD-202, Method 213, Condition C
Vibration (optional):	MIL-STD-202, Method 204, Condition A

YH1322 - OUTLINES AND DIMENSIONS



STABILITY OVER TEMPERATURE

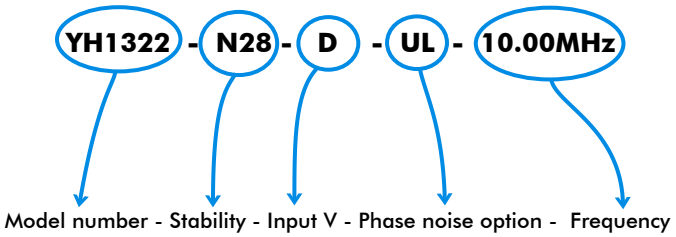
Temp. Range	Stability 10MHZ	Model	Stability 100MHz	Model
0~+50°C	±1x10^{-8}	B18	±5x10^{-8}	B58
-10~+60°C	±1.5x10^{-8}	G158	±7x10^{-8}	G78
-20~+70°C	±2x10^{-8}	N28	±1x10^{-7}	N17
-40~+85°C	±5x10^{-8}	T58	±3x10^{-7}	T37

PHASE NOISE (Sinewave max.)

Offset	dBc/Hz			
	10MHz Std.	10MHz Ultra-low	100MHz Std.	100MHz Ultra-low
10Hz	-125	-128	-85	-90
100Hz	-150	-155	-115	-120
1kHz	-160	-163	-145	-150
10kHz	-165	-168	-160	-165
100kHz	-165	-168	-165	-168

PART NUMBERING

Example: **YH1322-N28-D-UL-10.00MHz**



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