

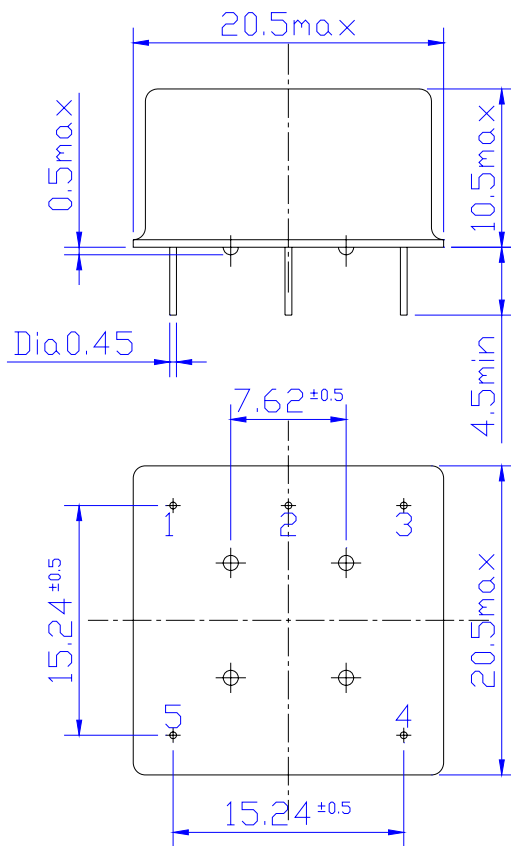
Oven Controlled Crystal Oscillator Specification

Part No.: OX-STD-38.88M

Detail Specification

Description	Guaranteed
Nominal Frequency	38.88MHz / V _c = +1.25V (+25°C)
Frequency Tolerance	<=±0.5ppm / V _c = +1.25V (+25°C)
Frequency Stability @ Temperature Range	±0.2ppm
Temperature Range	-30°C ~ +70°C
Frequency Stability @ Load Range	±0.05ppm / CL ± 5%
Frequency Stability @ Supply Voltage Range	±0.05ppm / +5V ± 5%
Aging after 30 days operation (power)	< ±2.0ppb per day < ±0.5ppm @ first year < ±3.0ppm @ 10 years
Short-term Stability	< 0.1ppb per second
Warm-up	< ±0.5ppm after 5 min. power on
Supply Voltage	+5V±5%
Current	<=500mA @ warm-up <=200mA +25°C @ stable working
Voltage Control	Range: > ±10ppm Control Voltage: + 1.25V ± 1.25V Slope: Positive Linearity: <10% Input Impedance: >100KΩ Modulation Bandwidth: > 10 KHz
Output	HCMOS Rectangular V _{OH} : 4.3V min. V _{OL} : 0.5V max. Duty Cycle: 45/55% Rise/Fall Time: 4nS Load: 15pF // 10K Ohms
Phase noise	-60dbc/Hz @1Hz -115dbc/Hz @100Hz -145dbc/Hz @10kHz
Operable Temperature	-40°C ~ +80°C
Storage temperature	-50°C ~ +90°C
Reference drawing	5A2B20
Package	20.5mm X 20.5mm X 10.5mm (Resistance Weld)

Package and Pin Connections



Pin Connections:

- #1: Vs
- #2: Output
- #3: GND
- #4: Vc
- #5: N.C.

Marking:

38.88M
STD
S/N: xxxx
ww/yy