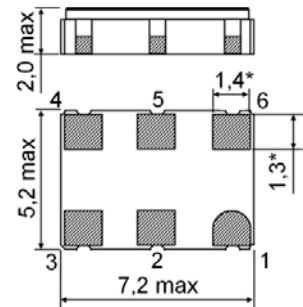
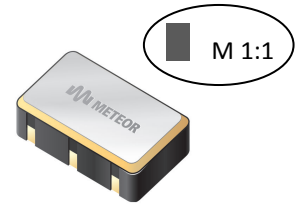


Crystal Oscillator 7.2×5.2 mm 3.3V  
GK366-UN – VCXO

0.75-800 MHz

### Electrical Performance

Parameter	Units	Value
Frequency range: - LVCMOS (CM) - LVPECL (PE) & LVDS (DS)	MHz MHz	0.75 to 300 0.75 to 800
Frequency tolerance	ppm	±50.0
Temperature range	°C (code)	-10 ... 60 (A) -40 ... 85 (C) -60 ... 85 (D)
Frequency stability: A C D	ppm	±20(P);±30(C);±40(T);±50(U)±100(H) ±30(C);±40(T);±50(U);±100(H) ±40(T);±50(U);±100(H)
Output Level: - Output waveform (code)	V	LVCMOS (CM) LVPECL (PE) LVDS (DS)
- Duty Cycle	%	40 ... 60
- Rise and Fall Time	ns	1.2 max
Stability: - Power Supply, ±10% change - Load :	ppm ppm ppm	±2.0 max ±2.0 max ±2.0 max
- 15 at 30 pF	ppm	±2.0 max
- 10 at 15 pF	ppm	±2.0 max
Supply voltage (Up)	V	3.3±10%
Supply Current: - for LVCMOS 0.75 to 20 MHz 24 - 96 MHz ov. 96 MHz - for LVPECL 0.75 to 24 MHz 24 - 96 MHz ov. 96 MHz - for LVDS 0.75 to 24 MHz 24 - 96 MHz ov. 96 MHz	mA mA mA mA mA mA mA mA mA mA mA	15 max 30 max 65 max 60 max 65 max 100 max 28 max 45 max 80 max



Ceramic package with metal lid  
Plating: Ni+Au(0,3...1 µm)

### Pinout

1	VCXO - Control Voltage
2	Ground
3	Output
4	Supply Voltage
5, 6, 7, 8	Make No Connection

### Environmental

Shock:  
test Ea. 1500 gn acceleration for 0.1-0.2 ms duration, half sine pulse, 2 shocks in each direction along three mutually perpendicular axes at octave per minute  
Vibration:  
test Fc. 50Hz 2.0 mm displacement, 1-500 Hz at 10 gn, 8 hours in each of three mutually perpendicular axes at 1 octave per minute  
Storage temperature: -60°C to 85°C

### Long Term Frequency Stability

- ±30 ppm max for 20 years
- ±20 ppm max in 1st year

### Ordering Information

VCXO **GK366-UN-CP-40M-3,3CM**

