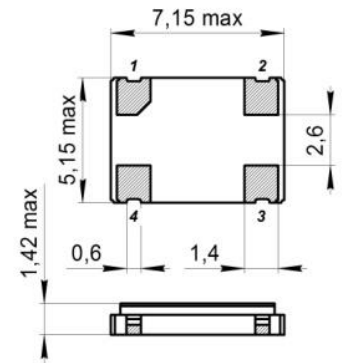
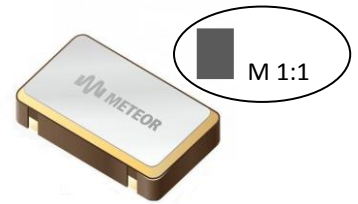


Crystal Oscillator 7×5 mm 3V 3.3V 5V 2-60 MHz

GK372-P - CXO

Electrical Performance

Parameter	Units	Value
Frequency range	MHz	2 to 60
Frequency tolerance,(code)	ppm	±10.0 (5); ±15.0 (6) ±20.0 (7)
Output Level:		
- Output waveform		CMOS
- Output voltage, V		
- '0' level	V	0.1Up
- '1' level	V	0.9Up
- Duty Cycle	%	50±2
- Rise and Fall Time	ns	4 max
Load:		
- 2 to 36 MHz	pF	30
- ov. 36 to 60 MHz	pF	50
Stability:		
- Power Supply, ±10% change -		
- 2 to 20 MHz	ppm	±2.5
- ov. 20 to 60 MHz	ppm	±4.0
- Load :		
- 30 to 15 pF	ppm	±1.0
- 50 to 15 pF	ppm	±1.0
Supply voltage (Up)	V	3.0±5%; 3.3±5%; 5.0±5%
Supply Current:		
Up = 3.0±5% V; 3.3±5% V	mA	13 (2 to 36 MHz)
	mA	34 (ov. 36 to 60 MHz)
Up=5.0±5% V	mA	20 (2 to 36 MHz)
	mA	52 (ov. 36 to 60 MHz)
Period Jitter	ps	0.36


 Ceramic package with metal lid
 Plating:
 Ni(1.3...8 μm) Au(0.3...1 μm)

Pinout

1	Control Voltage
2	Ground
3	Output
4	Supply Voltage

Frequency Stability (Over Operating Temperature range)

Temperature range, °C (code)	Stability, ppm (code)				
	±20 (P)	±30 (S)	±40 (T)	±50 (U)	±100 (H)
-10...60 (A)	+	+	+	+	+
-30...60 (B)	+	+	+	+	+
-20...70 (G)	+	+	+	+	+
-40...70 (V)	+	+	+	+	+
-40...85 (S)	+	+	+	+	+

Long Term Frequency Stability

- ±30 ppm max for 20 years
- ±10 ppm max in 1st year

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, 1-2000 Hz at 20 gn, 8 hours in each of three mutually perpendicular axes at 1 octave per minute

Storage temperature:
 -40°C to 85°C

Ordering information

Crystal Oscillator GK372-P-7SU-24M-5

Product: GK372-P	Frequency tolerance: 5 (±10); 6 (±15); 7 (±20)	Temperature range: A (-10...60); B (-30...60); G (-20...70); V (-40...70); S (-40...85)	Frequency Stability : P (±20); S (±30); T (±40); U (±50); H (±100)	Frequency in MHz	Voltage option: 3 (3.0 V); 3.3 (3.3 V); 5 (5.0 V)
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