

Frequency Range:

10.0MHz to 40.0MHz

Features:

- Fast warm-up and accurate stability
- Guarantee long term stability (ageing)
- AT and SC (stress-compensated) cut crystal unit
- Low phase noise and low jitter optimised design
- Small SMD case style
- Optional oven alarm
- Optional pulling voltage
- Optional reference voltage



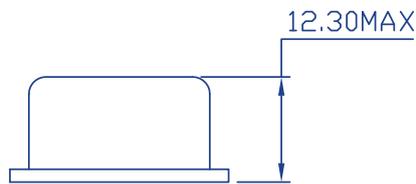
■ Standard Specifications

Item	Min	Max
Frequency Range	10.0MHz	40.0MHz
Frequency Stability	±5ppb	
Frequency Tuning Range	±500ppb to ±2000ppb	
Operating Temperature Range	-20°C to +70 °C	
Storage Temperature Range	-55°C to +105 °C	
Supply Voltage	3.3V / 5.0V / 12.0V	
Warm Up Power Consumption	800mA max @3.3V / 500mA max @5.0V / 300mA max @12.0V	
Steady State Power Consumption	350mA max @3.3V / 200mA max @5.0V / 120mA max @12.0V (25 °C, calm air)	
Warm Up Time @25 °C	Within normal parameters after 10 minutes (Typical)	
Output Compatibility & Load	HCMOS (15pF) or Sinewave (50Ω)	
Ageing	±50ppb max after first year, ±300ppb max after 10 years (typical @ 25 °C)	
Phase Noise @ 10MHz, 12V Supply and Sine (Typical)	-98dBc/Hz @ 1Hz	
	-128dBc/Hz @ 10Hz	
	-142dBc/Hz @ 100Hz	
	-152dBc/Hz @ 1KHz	
	-157dBc/Hz @ 10KHz	
Developed Frequencies	10.0MHz	
	10.0MHz	
Oven Alarm	Shows if device is in warm-up or heated mode eg. Logic '0'=warm-up, Logic '1'=heated and ready	
Ref. Voltage Output (optional)	5V±1.5%	

Note:

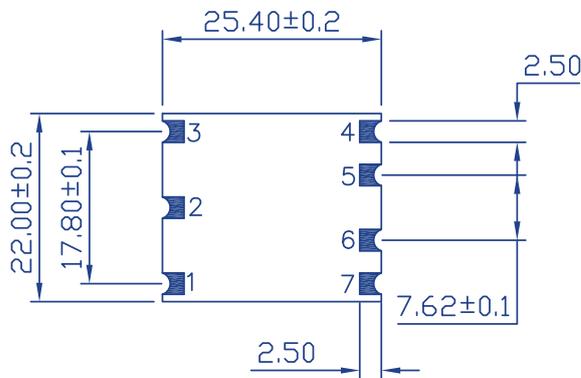
1. Manufacturer reserves the right to change the specification and content of this product for improvement without notification.
2. Custom specification is welcome. Please contact our sales representative for further details.
3. If the crystal is intended for applications which have direct impact on human life and properties, and require a high degree of reliability and safety concerns, customers must provide full information such as but not limit to the application, electrical and reliability specification at the inquiry beginning stage.
4. Customers have to agree to the "Guideline for handling crystal units" and "Standard Terms and Condition of Sales" which is printed this catalog before placing orders to our company or our distributors. There are also unpredictable factors such as applied condition, oscillation margin and etc and customers must check them beforehand. In case of queries, please do not fail to send inquiry to our company before ordering.

■ Dimensions (mm)

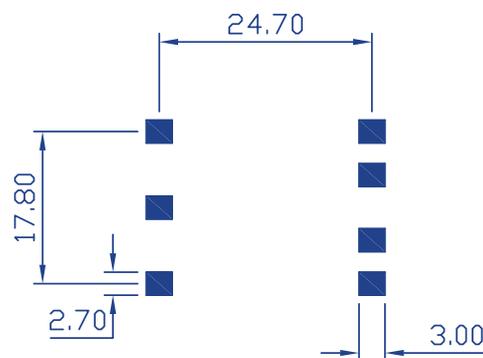


FRONT VIEW

Pin	Connection
1	Voltage Control
2	Ref Output Voltage or N/C
3	+Vs
4	Output
5	Oven Alarm or N/C
6	N/C
7	GND



BOTTOM VIEW



BOTTOM VIEW

MARKING INFORMATION

