



## MHz RANGE CRYSTAL UNIT

### Built-in thermistor



Product Number  
FA1612AS: X1E000401xxxx18

# FA1612AS

- Nominal frequency range : 38.4 MHz
- External dimensions : 1.6 × 1.2 × 0.65 mm
- Overtone order : Fundamental
- Applications : Mobile phone, Bluetooth, W-LAN  
ISM band radio, Clock for MPU  
GPS, Smart phone



### Specifications (characteristics)

Item	Symbol	Specifications	Conditions / Remarks
Nominal frequency range	f_nom	38.4 MHz	Fundamental Please contact us about available frequencies.
Storage temperature range	T_stg	-40 °C to +125 °C	Storage as single product.
Operating temperature range	T_use	-40 °C to +85 °C	
Level of drive	DL	100 μW Max.	Recommended: 1 to 100 μW
Frequency tolerance	f_tol	±10 × 10 <sup>-6</sup> *1	Please contact us about reference temperature. Please contact us for inquiries.
Frequency versus temperature characteristics	f_tem	±12 × 10 <sup>-6</sup> *1	-30 °C to +85 °C Please contact us for inquiries.
Load capacitance	CL	6 pF to ∞	Please specify.
Motional resistance (ESR)	R1	80 Ω Max.	-30 °C to +85 °C
Frequency aging	f_age	±1 × 10 <sup>-6</sup> / year Max.	+25 °C, First year
Thermistor resistance	—	Please contact us about specifications.	
Thermistor B constant	—		

\*1 Please contact us for available frequency tolerances as they are dependent upon the nominal frequency.

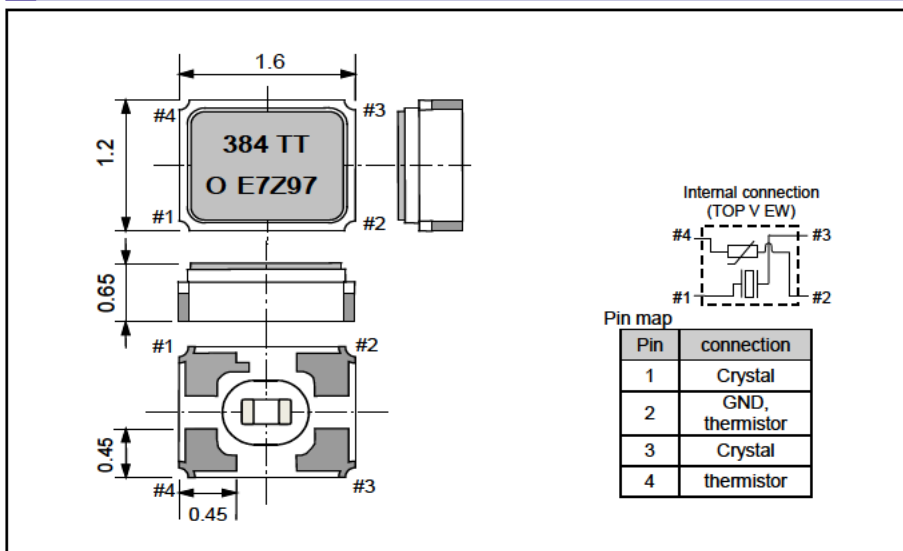
Product name FA1612AS 38.400000MHz 7.0 +10.0-10.0  
(Standard form) ① ② ③ ④

①Model ②Frequency ③Load capacitance(pF) ④Frequency tolerance(× 10<sup>-6</sup>, +25 °C)

In addition to the above mentioned specification item, please specify frequency temperature characteristics and operating temperature range in case of inquiry.

### External dimensions

(Unit:mm)



### Footprint (Recommended) (Unit:mm)

