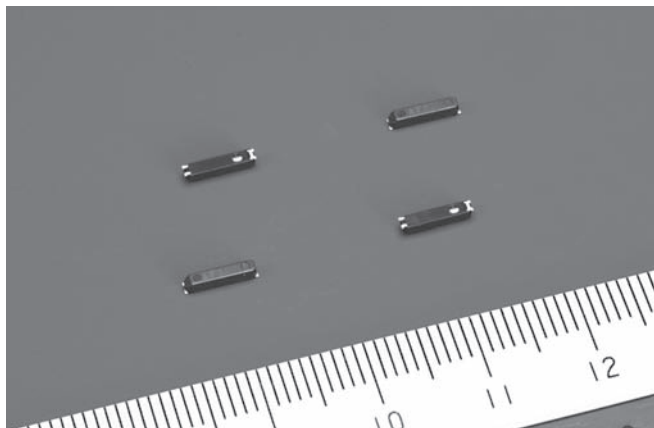


SSP-T7-F



FEATURES

- Ultra thin type with height 1.4mm max.
- SMD type suitable for automatic & high density surface mounting.
- Plastic mold package containing highly reliable tubular type quartz crystal.
- Excellent shock and heat resistance.
- RoHS directive compliant.

APPLICATIONS

Cellular Phones, PDA, DSC, Car Audio, GPS Module, FM Tuner Module, ZigBee, Glucose Meter, Payment Terminal, Clock Source for Micro-Computers, Portable Applications etc.

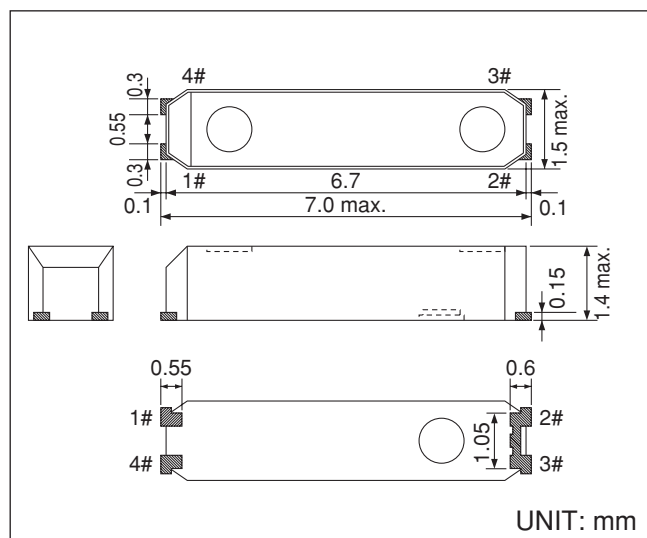
STANDARD SPECIFICATIONS

Conditions without notice (Temperature: +25±2°C, DL: 0.1μW)

Item	Symbol	Specifications	Conditions / Notes
Nominal Frequency	f _{nom}	32.768kHz	
Frequency Tolerance	f _{tol}	±20 x 10 ⁻⁶ , ±50 x 10 ⁻⁶	
Turnover Temperature	T _i	+25±5°C	
Parabolic Coefficient	B	(-3.5±1.0) x 10 ⁻⁸ /°C ²	
Load Capacitance	C _L	7.0 pF / 12.5pF	
Motional Resistance (ESR)	R ₁	65kΩ max.	
Absolute Maximum Drive Level	DL _{max}	1μW	
Level of Drive	DL	0.1μW	
Shunt Capacitance	C ₀	0.8pF typ.	
Frequency Ageing	f _{age}	±3 x 10 ⁻⁶	+25±3°C, First Year
Operating Temperature	T _{use}	-40°C to +85°C	
Storage Temperature	T _{stg}	-55°C to +125°C	Piece part basis

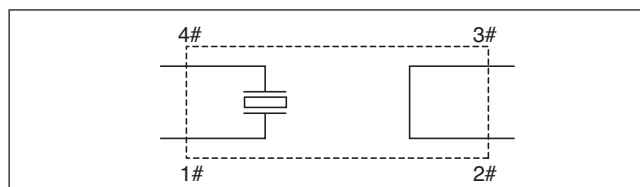
DIMENSIONS

SSP-T7-FL / SSP-T7-F



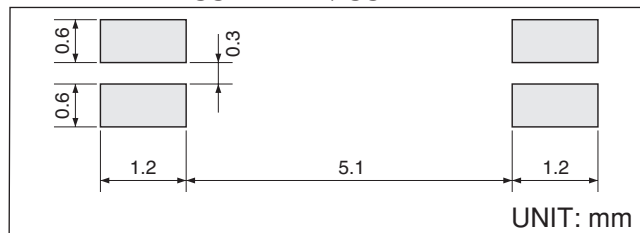
INTERNAL LEAD CONNECTION

SSP-T7-FL / SSP-T7-F



RECOMMENDED SOLDERING PATTERN

SSP-T7-FL / SSP-T7-F



- Remarks**
1. Do not connect #2 and #3 to external device and GND.
 2. The part of the cylinder inside resin mold may be sometimes exposed, however, it does not affect the characteristics of crystal unit.
 3. Please make sure that there is no pattern under SSP-T7-F on the circuit board.

AMEYA360

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