



Frequency Range:

20.00kHz to 80.00kHz

Features:

- High Reliability & Low Cost Unit
- Tight Stability & Extended Temperature Available
- RoHS Compliant
- Formed Lead SMD Type available



Actual Size



■ Standard Specifications

Item	ST SJ	
Frequency Range	32.768kHz	20.0 to 80.0kHz
Equivalent Series Resistance (ESR)	40kΩ Max	50kΩ Max
Frequency Tolerance @ 25 °C	±20ppm (tighter tolerance also available)	
Temperature Coefficient	-0.034±0.006ppm /°C ²	
Operating Temperature Range	-20 °C to +70 °C (other operating range also available)	
Operable Temperature Range	-40 °C to +85 °C	
Turnover Temperature	25 °C ± 5 °C	
Load Capacitance	6.0pF , 8.0pF , 12.5pF is standard	
Drive Level	0.1μW Typ. (1.0μW Max)	
Shunt Capacitance	2.0pF Max	
Ageing	±5ppm/year	

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.

<http://www.hongkongcrystal.com>

E-mail: China: sales.cn@hongkongcrystal.com

HongKong/Overseas: inquiry@hongkongcrystal.com

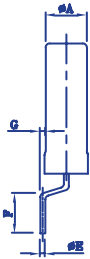
HongKong/Overseas
Shenzhen: T: +86 755 2600 8888

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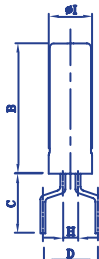
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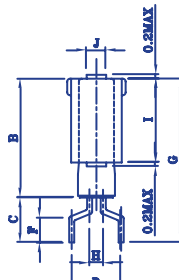
■ Dimensions (mm) and Solder Pad Layout (mm)



FRONT VIEW



SIDE VIEW



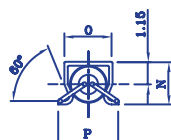
FRONT VIEW



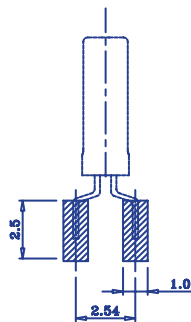
SIDE VIEW

DIMENSION	TYPE 2X6
A	φ1.9 ±0.1
B	6.0 ±0.2
C	3.3 Max
D	2.54 ±0.3
E	φ0.25 ±0.05
F	1.65 ±0.3
G	0 ~ 0.30
H	0.7 ±0.2
I	φ2.0 ±0.2

MARKING INFORMATION

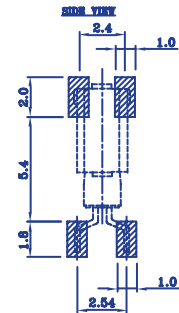


BOTTOM VIEW



RECOMMENDED LAND PATTERN

ITEM	DIMENSION
A	1.9±0.1
B	6.0±0.2
C	3.3 Max
D	2.54±0.3
E	φ0.25±0.05
F	1.65 Max
G	0.3 Max
H	0.7±0.1
I	2.0
J	1.0
K	2.0
L	0.65
M	0.6
N	2.2±0.1
O	2.5
P	2.7 Max



RECOMMENDED LAND PATTERN

MARKING INFORMATION



NOTE:

The crystal body is not to be soldered. Soldering on the crystal body will cause damage to the crystal.
If fixing the crystal body onto PCB is necessary, using adhesive material (epoxy, rubber adhesive, etc) is suggested.

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Ver.1.2