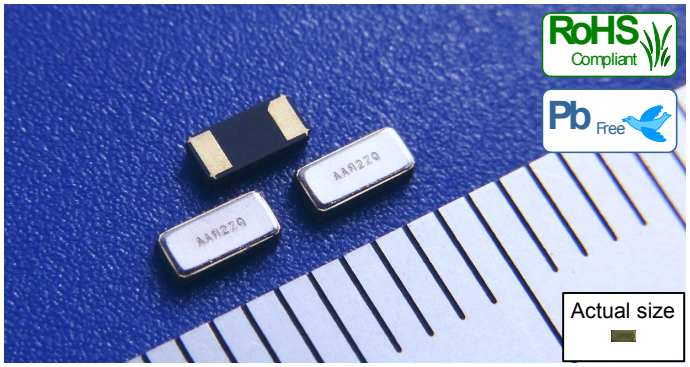
TUNING FORK CRYSTAL UNIT

TFX-02S



Features

- Compact, thin and lightweight design.
  (3.2 mm × 1.5 mm × 0.8 mm Max., Weight : 10.6 mg)
- Ceramic package and metal lid sealed by electron beam.
  Wide operating temperature range. (-40 to 105 °C)
  High reliability.
- Lead-free reflow soldering is available.
- AEC-Q200 compliant spec available upon request.

Applications

- Mobile phones, wireless modules, In-car devices.

Specifications

Inquiry Number Example : F2S - 32768 - 090 - D 70 - R - H X ##

Type code

F2S

Nominal Frequency (kHz)

32.768

Load capacitance (pF)

7.0, 9.0,12.5	e.g. 9.0pF = 090

- Optional values available

Level of drive (μW)

0.5 Max.

Turnover temperature (°C)

25 ± 5

Parabolic coefficient (/°C²)

- (0.03 ± 0 .01) × 10^{-6}

Frequency tolerance (ppm)

±10	B
±20	D
±30	E
±50	F
Others	N

- at 25°C

Motional resistance ESR (Motional capacitance / Shunt capcitance)

70 kΩ Max (6.5 fF Typ. / 1.5 pF Typ.)	70
Others	NN

Operating temperature range (°C)

-20 ~ 70	P
-40 ~ 85	R
-40 ~ 105	S
Others	N

Specification code (For River only)

- Only when needed

Loaded quantity (pcs.)

3000pcs/reel	X
1000pcs/reel	Y
Others	N

- Reel diameter 180 mm

Storage temperature range(°C)

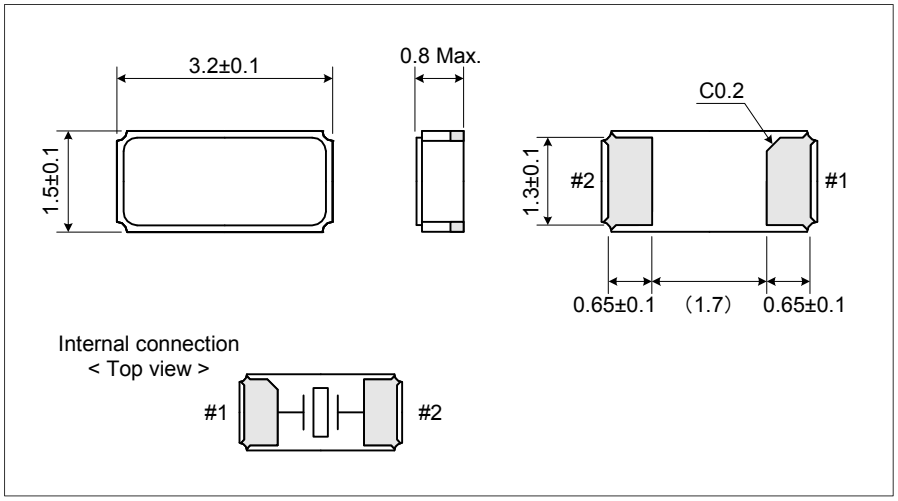
-40 ~ 85	G
-40 ~ 105	H
-55 ~ 125	J
Others	N

-Not applicable to packaging materials

- Blue letters for Inquiry Number, black letters for specifications.
- Other specifications can be available. Please call our sales dept. or contact us via the inquiry form on our website with the Inqury Number above.

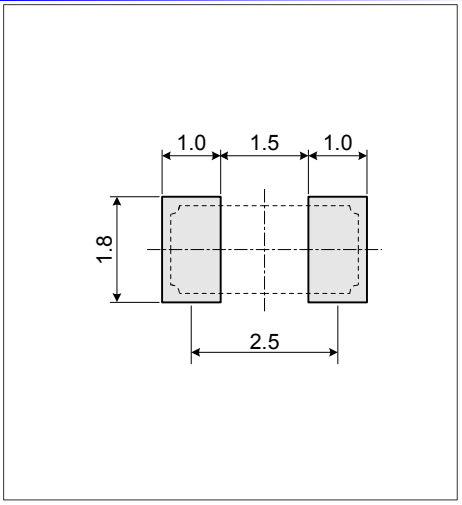
Dimensions

Unit : mm



Land dimensions

Unit :mm



RIVER ELETEC CORPORATION URL http://www.river-ele.co.jp

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