TFX-02S



RoHS





+ FEATURES

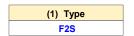
- Tuning fork crystal unit / 32.768 kHz.
- $3.2 \times 1.5 \times 0.8$ mm Max. / 10.6 mg.
- Frequency tolerance ±10 ppm available.
- Operating temperature range -40 ~ +105°C available.
- Ceramic with metal lid sealed by seam welding.
- One of the best-selling models of our products.
- Produced in Xian factory in China.

+ APPLICATIONS

Smartphones, wireless-modules, in-vehicle devices.

+ ORDERING INFORMATION & SPECIFICATIONS

Ordering Number (Sample): F2S 32768 (6) (2) (3) (7) (8) (9)



(2) Nominal Frequency	
32.768 kHz	32768

(3) Load Capa	citance
7.0, 9.0, 12.5 pF*1	e.g. 9.0 pF = 090

(4) Frequency Tolerance @ 25°C	
±10 ppm	В
±20 ppm	D
±30 ppm	E
±50 ppm	F
Other	N

(5) Equivalent Series Resistance (Motional/Shunt Capacitance)		
70 kΩ Max. (6.5 fF Typ./1.5 pF Typ.)	70	
Other	NN	

(6) Operating Temperature	
-20 ~ +70°C	P
-40 ~ +85°C	R
-40 ~ +105°C	S
Other	N

(7) Storage Temperature*2	
-40 ~ +85°C	G
-40 ~ +105°C	Н
-55 ~ +125°C	J
Other	N

X
N

(9) RIVER Use Only (As needed)

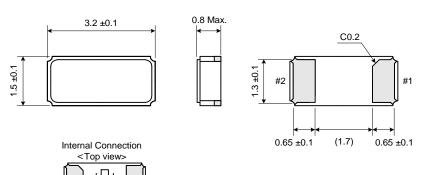
Temperature Coefficient -0.03 ±0.01ppm/°C2

Turnover Temperature 25 ±5°C

Drive Level 0.5 μW Max.

- The codes for the *Ordering Number* are indicated in blue, and the specifications are described in black.
- Not all combinations of options are available as standard.
- AEC-Q200 complaint spec available upon request.
- For specifications other than those above, please contact our sales / website and let us know your specific requirements.

+ OUTLINE DEMENSIONS

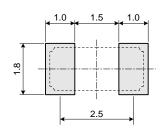


#2



+ LAND PATTERN





ЯIVER

^{*2} Not applicable to packing materials