

- 1. Part Number: F38S**-(see part number guide below)
F26S-(see part number guide below)

2. Description: Watch frequency tuning fork crystals in 3.1mm and 2.1mm diameter packages

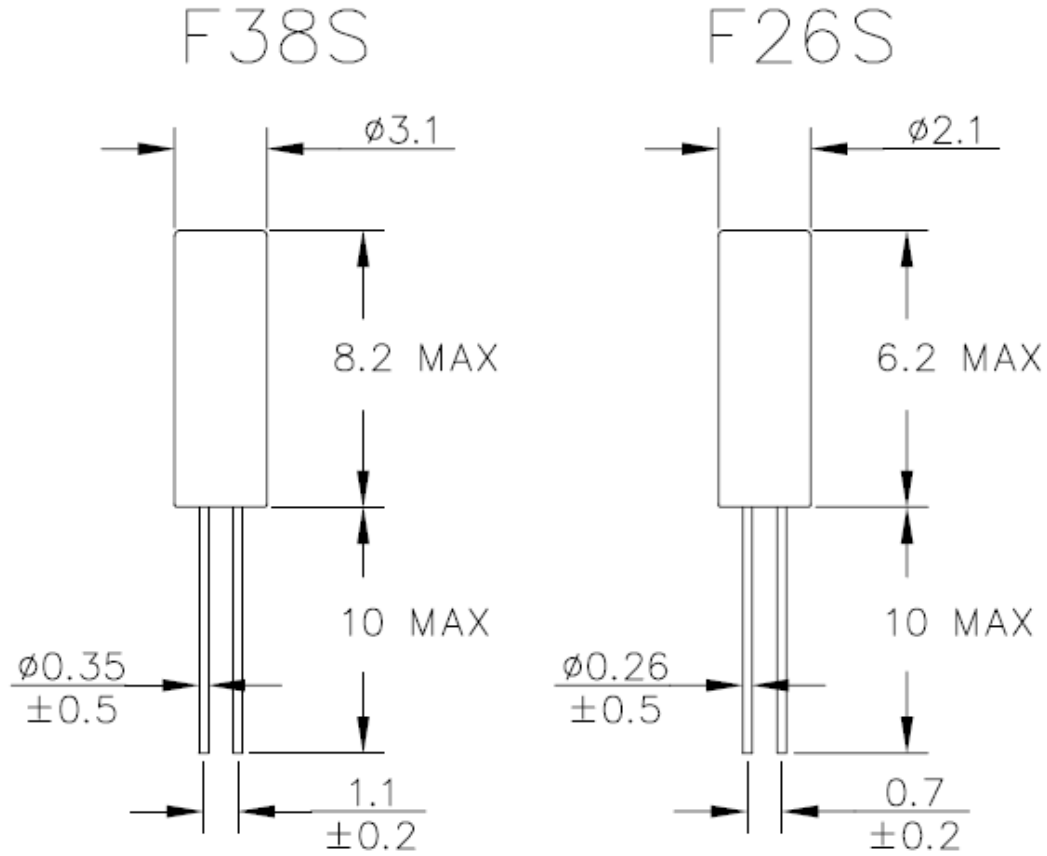
3. Electrical Specifications:

Model	F38S	F26S
Size	3.1 dia. x 8.2 L mm	2.1 dia. x 6.2 L mm
Frequency	32.768 KHz	32.768 KHz
Frequency Range	30 to 200 KHz	30 to 200 KHz
Frequency Tolerance at 25°C	±20ppm max	±20ppm max
Turnover Temperature	25°C ±5°C	
Frequency Stability Over Temperature	-20 to +70°C -0.034 ±0.006ppm / (25-T)^2	-20 to +70°C -0.034 ±0.006ppm / (25-T)^2
Shunt Capacitance (Co)	1.6 pF Typical	
Load Capacitance (CI)	12.5 pF Typical	
Motional Capacitance	0.0035pf Typical	0.00305pf Typical
Equivalent Series Resistance	30 Kohm max	50 Kohm max
Quality factor	90,000 Typical	70,000 Typical
Capacitance Ratio Co/ C1	460 Typical	
Insulation Resistance	500 Mohm min @ 100 Vdc	
Drive Level	1 u W max	
Storage Temperature	-40 to +85°C	

4. Part Number Guide:

Base Model	-	Cut	Mode of Operation	Circuit Condition	-	Calibration at 25°C	Temperature Stability Options (°C)	-	Frequency
F38S F26S	-	X	1: Fund	12.5: 12.5pf x: specify	-	15: ±15 ppm 20 :±20 ppm 30: ±30 ppm x: custom	R: -0.034 ±0.006ppm / (25-T)^2 -20 to +70°C	-	30 to 200 KHz
F38S	-	X	1	12.5	-	20	R	-	32.768 KHz

5. Mechanical Package:



Drawing subject to change with out notice