

1. Device Name                      Crystal Resonator
  2. Model Name                      DSX211S
  3. Nominal Frequency              76.800                      MHz
  4. Device Summary
 

Mass	0.007	g max.
Pb-free	Yes	
	RoHS Compliant	
- MSL    =    1

5. Electrical Characteristics

Item	Limits			unit	Conditions	Notes
	min.	Typ.	max.			
Mode of Vibration	AT-cut fundamental					
Load Capacitance	-	8	-	pF		
Drive Level	0.01	350	425	uW		
Series Resistance	10	-	30	Ω		
Frequency Tolerance	-12	-	12	ppm	T <sub>A</sub> = 25 °C	
Frequency Characteristics Over Temperature (Including Aging 5 years ref.+25 deg.C, Frequency Perturbation)	-17	-	17	ppm	T <sub>A</sub> = -30 ~ 85 °C	
Frequency Drift After Reflow	-2	-	2	ppm	(Reflow 2 times)	
Operating Temperature Range	-40	-	115	°C		
Storage Temperature Range	-40	-	115	°C		
Shunt Capacitance(C0)	0.3	-	1.3	pF		
Motional Capacitance(C1)	1.1	-	4.0	fF		
Motional Inductance(L1)	1.3	-	4.0	mH		
Insulation Resistance	500	-	-	MΩ		
Spurious Mode Series Resistance	1100	-	-	Ω	F0±0.7MHz	

6. DIMENSIONS AND MARKING

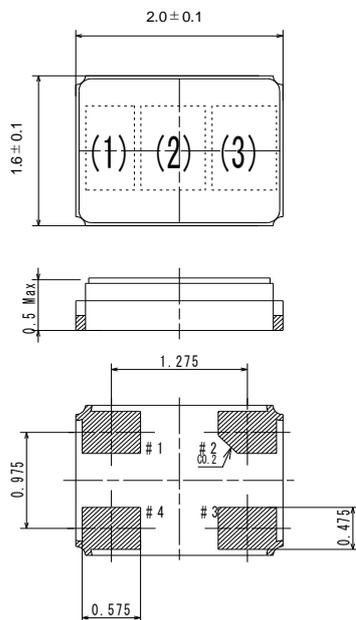
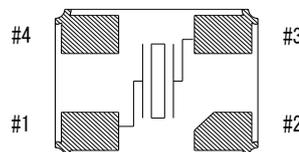


Figure-1

< TOP VIEW >



#1, #3 Connected to quartz element  
 #2, #4 Connected to the cover  
 #2, #4 Recommended GND connection

UNIT:mm  
 TOLERANCE : ±0.1

Marking

(1) Logo : D

(2) Nominal Frequency : 76

(3) Manufacturing lot No. : Year (1digit) +Week (2digits)  
 ex. 2026/01/01 → 601

A manufacturing site mark may be added.

TITLE DSX211S TYPE SPECIFICATION	REMARK P2026-0512		
DATE  2026/3/2	SPEC. No. 7AF07680A00	REV.	PAGE 1 / 1