

RoHS Conforming

Features

- Crystal Unit for Audio-Visual, Office Equipment.
- Small and low profile.(8.0x4.5x1.8mm)
- Ceramic package.
- Product with lead free terminations.
- Reflow compatible.

Applications

- Audio visual, Office equipment

Standard Frequencies

(kHz)

14318.180	20000.000	28636.360
16000.000	21477.270	30000.000
16384.000	24000.000	32000.000
16934.400	24576.000	36000.000
19660.800	27000.000	40000.000

* Please inquire about frequencies other than the above.

Specifications

Items	Symbol	Specification	Units	Remarks
Frequency Range	F ₀	7200~48000	kHz	
Overtone Order	—	Fundamental	—	
Frequency Tolerance	$\Delta F/F$	±50	ppm	@ 25°C
Frequency Temperature Characteristics	$\Delta F/T$	±50	ppm	ref@ 25°C Over Operating Temp Range
Motional Series Resistance	C ₁	Table 1	ohm	
Level of Drive	—	Table 2	μW	
Load Capacitance	C _L	12	pF	
Operating Temp. Range	T _{OPR}	-10~+70	°C	
Storage Temp. Range	T _{STG}	-40~+85	°C	

* Please inquire about specifications other than the above.

Table1 Motional Series Resistances

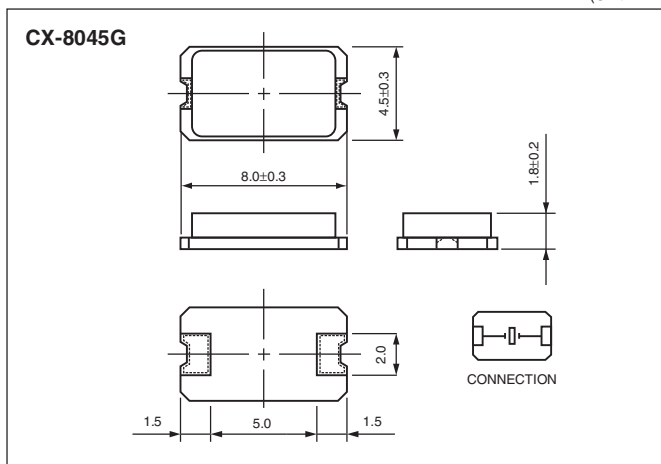
Frequency Range	Motional Series Resistance	Units
7200~9999kHz	200	ohm
10000~11999kHz	150	
12000~30000kHz	50	

Table2 Level of Drive

Frequency Range	Level of Drive	Units
7200~9999kHz	10(500 max.)	μW
16000~24999kHz	10(300 max.)	
25000~32000kHz	10(100 max.)	

Dimensions

(Unit : mm)



Recommended Land Pattern

(Unit : mm)

