



Quartz Crystal "CX2016GR series"  
KYOCERA Part Number : CX2016GR40000D0PTVC1

for Automotive
AEC-Q200 Certified

Note: This is a preliminary specification.

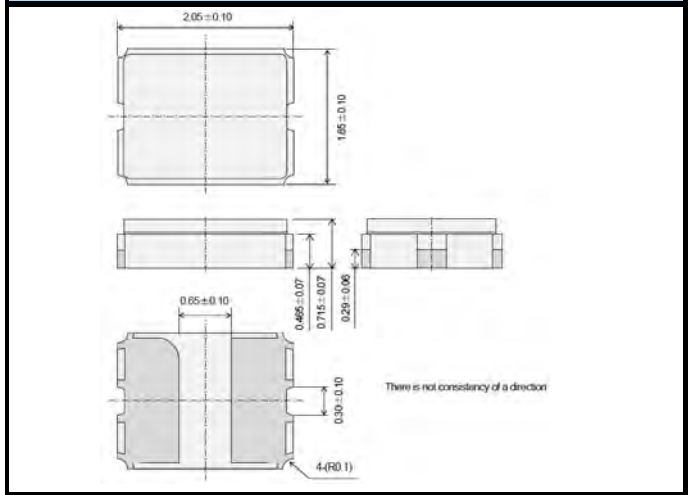
If you would like to know official specification and details specification, please contact us.

1.RATINGS				
Items	SYMB.	Rating	Unit	Rmarks
Operating Temperature Range	Topr	-40 to +150	°C	
Storage Temperature Range	Topr	-40 to +150	°C	

2.Electrical Characteristics							
Item	Electrical Specification					Test Conditions	Remarks
	SYMB.	Min.	Typ.	Max.	Unit		
Mode of Vibration		Fundamental					
Nominal Frequency F0	F0		40		MHz		
Nominal Temperature	T <sub>NOM</sub>		+25		°C		
Load Capacitance	CL	8.0			pF		
Frequency Tolerance	df/F	-50.0		+50.0	PPM	+25±3°C	by Measurement Conditions
Frequency Temperature Characteristics	df/F	-150.0		+150.0		-40 to +150°C	Based on an oscillation frequency at +25°C
Frequency Aging Rate		-5.0		+5.0		1 <sup>st</sup> year	+25±3°C
Equyvalent Series Resistance	ESR			50	Ω		by Measurement Conditions
Drive Level	Pb	0.01		500	μW		
Insulation Resistance	IR	500			MΩ	100V(DC)	

3.Measurement Condition	
Frequency measurement	
Measuring instrument	: IEC PI-Network Test Fixture
Load capacitance	:8.0pF
Drive Level	:10μW
Equivalent series resistance (ESR) measurement	
Measuring instrument	: IEC PI-Network Test Fixture
Load capacitance	:Series
Drive Level	:10μW

#### 4. Dimensions (Unit:mm)



#### 5. Recommended Land Pattern (Unit:mm)

