



Quartz Crystal "CX2016GR series"
KYOCERA Part Number : CX2016GR16000D0PTVC1

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	Remarks
Operating Temperature Range	Topr	-40 to +150	°C	
Storage Temperature Range	Topr	-40 to +150	°C	

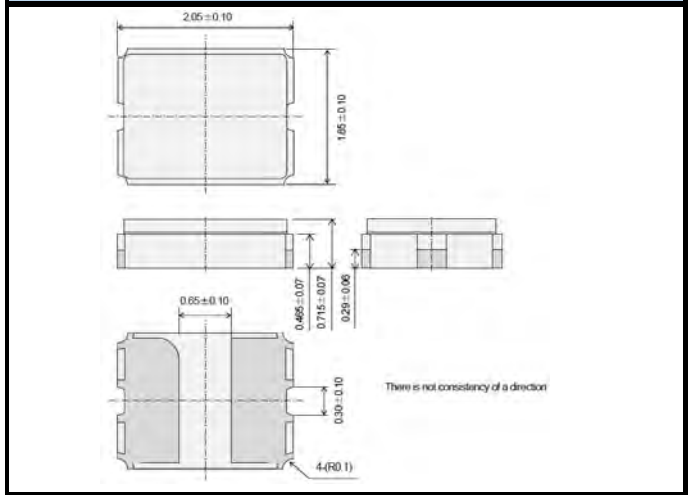
2. Electrical Characteristics

Item	Electrical Specification					Test Conditions	Remarks
	SYMB.	Min.	Typ.	Max.	Unit		
Mode of Vibration		Fundamental					
Nominal Frequency F0	F0		16		MHz		
Nominal Temperature	T _{NOM}		+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 st year	+25±3°C
Equivalent Series Resistance	ESR			200	Ω		by Measurement Conditions
Drive Level	Pb	0.01		400	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)

