

KYOCERA Corporation Corporate Electronic Components Group RF Devices Division

Quartz Crystal"CX2016SA series"

KYOCERA Part Number: CX2016SA38400H0FRNC1

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 +105	$^{\circ}$							
Storage Temperature Range	Topr	-40 to +125	$^{\circ}$							

2.Electrical Characteristics											
Item	Electrical Specification					Test Conditions	Remarks				
	SYMB.	Min.	Тур.	Max.	Unit						
Mode of Vibration		Fundamental									
Nominal FrequencyF0	F0		38.4		MHz						
Nominal Temperature	T _{NOM}		+25		°C						
Load Capacitance	CL		12.0		pF						
Frequency Tolerance	df/F	-10.0		+10.0		+25±3°C	by Measurement Conditions				
Frequency Temperature Characteristics	df/F	-25.0		+25.0	PPM	-40 to +105°C	Based on an oscillation frequency at + 25 °C				
Frequency Aging Rate						5 years	+25±3°C				
Eqyuvalent Series Resistance	ESR			60	Ω		by Measurement Conditions				
Drive Level	Pb	0.01		200	μW						
Insulation Resistance	IR	500			МΩ	100V(DC)					

3.Measurement Condition

Frequency measurement

Measuring instrument : IEC PI-Network Test Fixture

 $\begin{tabular}{ll} Load capacitance & :12.0pF \\ \hline Drive Level & :10\mu W \\ \hline \end{tabular}$

Equivalent series resistance (ESR) measurement

Measuring instrument : IEC PI-Network Test Fixture

Load capacitance :Series

Drive Level :10µW



