

### Quartz Crystal "CX1210SB series"

KYOCERA Part Number : CX1210SB32000D0WRZC1

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 +105	°C	
Storage Temperature Range	Topr	-40 to +105	°C	

2. Electrical Characteristics							
Item	Electrical Specification					Test Conditions	Remarks
	SYMB.	Min.	Typ.	Max.	Unit		
Mode of Vibration	Fundamental					-	
Nominal Frequency F0	F0	-	32	-	MHz		
Nominal Temperature	T <sub>NOM</sub>	-	25	-	°C		
Load Capacitance	CL	-	8.0	-	pF		
Frequency Tolerance	dF	-30	-	+30	ppm	25°C±3°C, DL=10uW	
Frequency Temperature Characteristics	dF <sub>T</sub>					-40~105°C	
Frequency Aging Rate	Fa	-2.0	-	+2.0	ppm	25°C±3°C, 1year	
Equivalent Series Resistance	ESR	-	-	60	Ω		
Drive Level	Pd	0.01	-	200	uW		
Shunt Capacitance	C0	-	-	1	pF		
Insulation Resistance	IR	500	-	-	MΩ	100V(DC)	

