

Quartz Crystal with Thermistor"CT1612RB series"
KYOCERA Part Number : CT1612RB38400D0FLHA2

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	-30 to +105	℃	
Storage Temperature Range	Topr	-40 to +105	℃	

2.Electrical Characteristics							
Item	Electrical Specification					Test Conditions	Remarks
	SYMB.	Min.	Typ.	Max.	Unit		
Mode of Vibration	-	Fundamental			-		
Nominal FrequencyF0	F0	-	38.4	-	MHz		
Nominal Temperature	T _{NOM}	-	29	-	℃		
Load Capacitance	CL	-	8.0	-	pF		
Frequency Tolerance	dF	-10.0	-	+10.0	ppm	25℃±3℃,DL=10uW	
Frequency Temperature Characteristics	dF _T	-12.0	-	+12.0	ppm	-30~85℃	
Frequency Aging Rate	F _a	-0.7	-	+0.7	ppm	1year	
Frequency drift after reflow	-	-2.0	-	+2.0	ppm	After two reflows	
Eqyivalent Series Resistance	ESR	-	-	50	Ω		
Quality factor	Q	75000	-	-	-		
Pullability	SYMB.	7.0	-	16.0	ppm/pF		CL=8pF
Drive Level	P _d	0.01	0.05	0.2	mW		
Inflection point	t	27.5	29	30.5	℃		
Insulation Resistance	IR	500	-	-	MΩ	100V(DC)	

3.Electrical Characteristics(Thermistor)						
Item	Electrical Specification					Remarks
	SYMB.	Min.	Typ.	Max.	Unit	
Resistance	-	-	100	-	kΩ	25℃
B-Constant	-	-	4250	-	K	25℃~50℃
Tolerance	-	-1.0	-	1.0	%	

