KYOCERA Corporation
Corporate Electronic Components Group
RF Devices Division

for Automotive
AEC-Q200 certified

Temperature Compensated Crystal Oscillator"KT2016K series"
KYOCERA Part Number : KT2016K26000ZAW28QAP

Note: This is a preliminary specification.
If you would like to know official specification and details specification, please contact us.

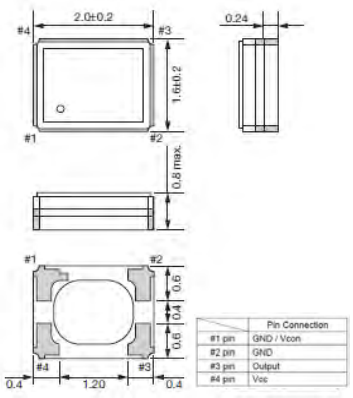
1.Nominal condition

Item	SYMB.	Min.	Typ.	Max.	Unit	Conditions
Operating Temperature Range	T_use	-40	-	85	deg.C	
Storage Temperature Range	T_stg	-40	-	85	deg.C	
Supply voltage	Vcc	2.66	2.8	2.94	V	2.8V+/-5%
Load impedance	R1	9	10	11	kohm	
	CL	9	10	11	pF	
Control voltage range	Vcon	0.4	1.4	2.4	V	1.4V+/-1.0V

2.Electrical Characteristics

Item	Electrical Specification					Conditions	
	SYMB.	Min.	Typ.	Max.	Unit		
Nominal frequency	fo	-	26.0	-	MHz		
Temp characteristics	fo_TC	-0.5	-	+0.5	x10^{-6}	Ta= -30 to +85 deg.C	Referenced to the mid point between minimum and maximum frequency value over the specified temperature range
	fo_TC	-3.0	-	+3.0	x10^{-6}	Ta= -40 to -30 deg.C	
Load characteristics	fo_Load	-0.1	-	+0.1	x10^{-6}	10kohm+/-10%, 10 pF+/-10%	
Voltage characteristics	fo_Vcc	-0.1	-	+0.1	x10^{-6}	2.8V+/-5%	
Aging characteristics	fo_age	-1.0	-	+1.0	x10^{-6}/Y	at 25+/-2 deg.C	
Frequency tolerance	fo_tol	-2.0	-	+2.0	x10^{-6}	After 2 times reflow soldering	at 25+/-2 deg.C
Output voltage	Vpp	0.8	-	-	Vp-p	Clipped sine	
Current consumption	Icc	-	-	2.0	mA		
Harmonics	Hm	-	-	-8.0	dBc		
Control voltage stability	Vcon	-15.0	-	-9.0	x10^{-6}	Vcon=0.4V	ref:Vcon=1.4V
	Vcon	+9.0	-	+15.0	x10^{-6}	Vcon=2.4V	

3.Dimensions (Unit:mm)



4.Recommended Land Pattern (Unit:mm)