

# DT39 / DT310

## Features :

- High stability.
- Excellent shock resistance and environmental characteristics.

## Applications :

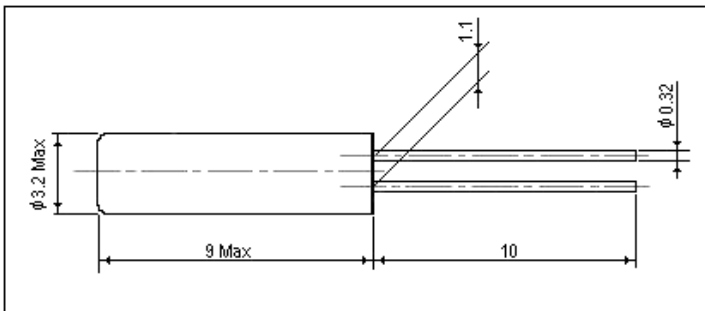
- Can be used for a wide range of applications including AV, Communication and Measuring Equipment.

## Standard Specifications :

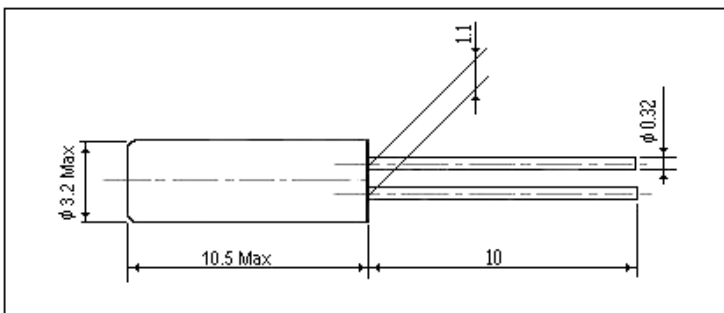
	DT39		DT310		Conditions
<b>Nominal Frequency</b>	$f_o$	4.0MHz ~ 30.0MHz (Fund.) 30.0MHz ~ 70MHz (3 O/T)	3.5MHz ~ 6.0MHz		Please Specify
<b>Frequency Tolerance</b>	$\Delta f/f_o$	$\pm 30\text{ppm Typ.}$			@ 25°C Reference Temperature
<b>Frequency V's Temperature Characteristics</b>	$\Delta f/f_o$	$\pm 50\text{ppm Typ.}$			See Frequency V's Temperature Curve Ref : -20°C ~ +70°C
<b>Operating Temperature Range</b>	$T_{opr}$	-20°C ~ +70°C			
<b>Storage Temperature Range</b>	$T_{stg}$	-40°C ~ +85°C			
<b>Equivalent Series Resistance</b>	$R_1$	$3.5\text{MHz} \leq f_o < 4.0\text{MHz}$	200Ω Max.	Fund.	
		$4.0\text{MHz} \leq f_o < 6.0\text{MHz}$	150Ω Max.	Fund.	
		$6.0\text{MHz} \leq f_o < 10.0\text{MHz}$	100Ω Max.	Fund.	
		$10.0\text{MHz} \leq f_o < 30.0\text{MHz}$	50Ω Max.	Fund.	
		$30.0\text{MHz} \leq f_o < 36.0\text{MHz}$	100Ω Max.	3 O/T	
$36.0\text{MHz} \leq f_o < 70.0\text{MHz}$	80Ω Max.	3 O/T			
<b>Load Capacitance</b>	$C_L$	16pF Typ.			Please Specify
<b>Shunt Capacitance</b>	$C_0$	5.0pF Max.			
<b>Drive Level</b>	DL	50μW ~ 100μW			
<b>Aging</b>	$\Delta f/f_o$	$\pm 5\text{ppm Max}$			25°C±3°C
<b>Shock Resistance</b>		$\pm 5\text{ppm Max}$ Drop test of 3 times on a hard board from 75cm height or shock test of 3000Gx0.3ms x 1/2sin wave x 3 directions			Conditions vary depending on the frequency.

## Dimensions (mm) :

DT39



DT310



## Frequency V's Temperature Curve :

