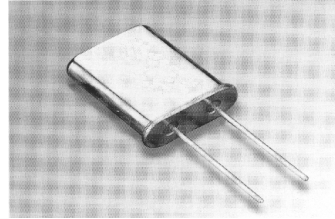


HC49U

Features

- Excellent Clock Signal Generator for CPU's
- Industry Standard Packages
- Wide Frequency Range



Specifications			
	Symbol		Remarks
Frequency range	f	1.000MHz - 25.000MHz	Fundamental Mode
		25.000MHz - 300.000MHz	Overtone Mode
Frequency tolerance (std.), Ta=25°C	$\Delta f/f$	$\pm 30\text{ppm}, \pm 50\text{PPM}$	Others are offered
Load capacitance/Lastkapazität	CL	10pf - ∞	Others are offered
Temperature Tolerance (std.)	$\Delta f/f$	$\pm 30\text{ppm}, \pm 50\text{ppm}$	Others are offered
Temperature range	Storage Temperature	TSTG	-55°C - +125°C
	Operating Temperature	TOPR	-20°C - +70°C
Drive Level	Maximum drive level	MDL	-
	Recommended drive level	RDL	-
Series resistance	R1	As Per Table	
Shunt capacitance	C0	7pF max	
Insulation resistance	IR	500M Ohm	
Aging	$\Delta f/A$	$\pm 5\text{PPM/Year}$	max.

Resistance of series Resonance (ESR)						
Frequency (MHz)	Mode	Ohm max		Frequency (MHz)	Mode	Ohm max
$1,0 \leq f < 1,8$	Fundamental	650		$4,9 \leq f < 5,1$	Fund	90
$1,8 \leq f < 2,0$	Fundamental	550		$5,1 \leq f < 7,3$	Fund	70
$2,0 \leq f < 2,5$	Fundamental	350		$7,3 \leq f < 10,0$	Fund	60
$2,5 \leq f < 3,0$	Fundamental	250		$10,0 \leq f < 13,0$	Fund	40
$3,0 \leq f < 3,5$	Fundamental	150		$13,0 \leq f < 24,5$	Fund	30
$3,5 \leq f < 4,9$	Fundamental	100		$24,0 \leq f < 55,0$	3rdO.T	40

Drawing

Dimensions in mm

Remarks:

All specifications subject to change without notice.