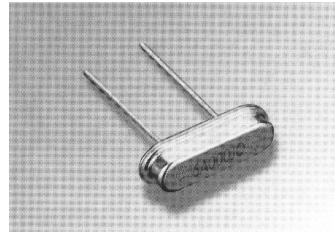


HC49US

Features

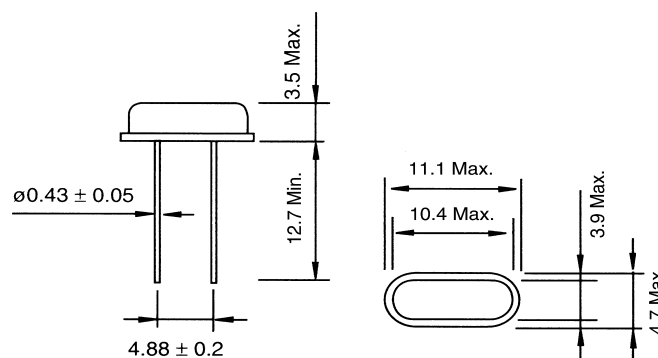
- Wide Frequency Range
- Low Cost to Performane
- Excellent for Clock Frequency Generation
- Very low Profile



Specifications				
		Symbol		Remarks
Frequency range		f	3.2768MHz - 24.576MHz	Fundamental Mode
			24.000MHz - 80.000MHz	Overtone mode
Frequency tolerance (std.), Ta=25°C		$\Delta f/f$	$\pm 30\text{ppm}, \pm 50\text{PPM}$	Others are offered
Load capacitance		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 Temp./Lagertemp.	TSTG	-55°C - +125°C	
Temperaturbereich	Operating Temp./Arbeitstemp.	TOPR	-20°C - +70°C / -40°C - +80°C	Others are offered
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
$3,2 \leq f < 4,5$	Fundamental	150		$12,9 \leq f < 16,6$	Fundamental	50
$4,5 \leq f < 5,1$	Fundamental	120		$16,6 \leq f < 21,5$	Fundamental	40
$6,0 \leq f < 7,2$	Fundamental	100		$21,5 \leq f < 24,5$	Fundamental	30
$7,2 \leq f < 8,9$	Fundamental	80		$25 \leq f < 56$	3rdO.T	80
$9,0 \leq f < 12,9$	Fundamental	60				

Drawing



Dimensions in mm

Remarks:

All specifications subject to change without notice.