

### Dimensions

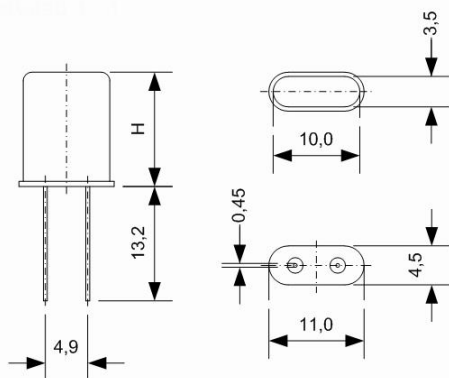


Table 1

1.8 ... 160 MHz		Unit	Condition
Frequency range	1.8 - 160	MHz	
Crystal cut	AT		
Enclosure	HC-49/U		
Height H	13.2	mm	
Mode	1. 1.8 - 40 3. 20 - 100 5. 80 - 160	MHz MHz MHz	Fundamental 3 <sup>rd</sup> overtone 5 <sup>th</sup> overtone
Load capacitance	10 – 50pF or Series	pF	
Shunt capacitance	7 pF max.	pF	
Motional capacitance			
Resistance R <sub>R</sub>			see table 2
Frequency adjustment at 25°C	± 10 to ± 100	ppm	
Frequency stability over temperature	- 20 to + 70°C: ± 10 to ± 100 - 40 to + 85°C: ± 20 to ± 100 - 40 to + 105°C: ± 30 to ± 100	ppm	
Aging 1 <sup>st</sup> year	< ± 3.0	ppm	
Drive Level	0.1	mW	
Packing	Bulk / Tape & reel		

Table 2

MAX. RESISTANCE R <sub>R</sub>	MODE	FREQUENCY [MHz]	R <sub>RMAX</sub> [Ω]
	1	1.80 - 2.44	500
		2.45 - 2.99	400
		3.00 - 3.49	200
		3.50 - 4.39	150
		4.40 - 4.99	100
		5.00 - 5.99	70
		6.00 - 9.99	50
		10.00 - 19.99 20.00 - 40.00	30 20
	3	20.0 - 39.9	40
		40.0 - 100.0	50
	5	50.0 - 160.0	100