

Table 1

ENCLOSURE	H [mm]	CODE	
HC-35/U	15.5	See table 3	
	25.0		
	39.0		
	60.0		

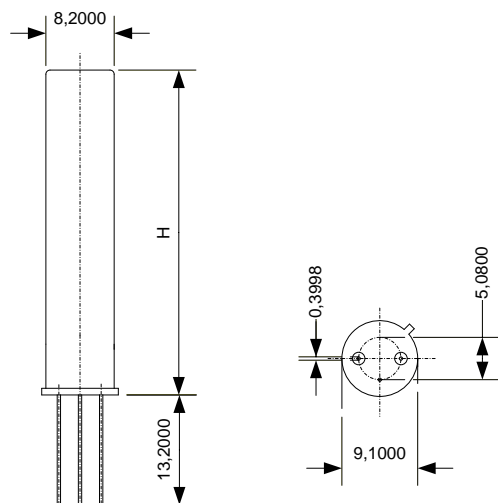
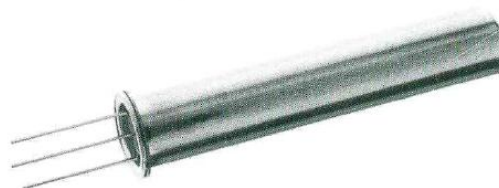


Table 2

10.0 ... 1100 KHz		Unit	Condition
Frequency range	10.0 ... 1100	KHz	
Crystal cut			See table 3
Enclosure	HC-35/U		
Mode	Fundamental		
Load capacitance	10 – 100 pF or Series	pF	
Shunt capacitance		pF	
Motional capacitance			
Resistance R_R			see table 6
Frequency adjustment			see table 4
Nominal temperature and temp. stability			see table 5
Aging 1 st year	< ± 10	ppm	

Table 3

CRYSTAL CUT AND ENCLOSURE HEIGHT	FREQUENCY [KHz]								Code
	10 ... 30	30 ... 50	50 ... 80	80 ... 130	130 ... 250	250 ... 500	300 ... 400	400 ... 1100	
Flexural resonator	XY	XY							XY
Longitudinal resonator			X	X	X	X			X
SL-Cut							SL	SL	SL
Enclosure Height H / mm			60.0						35/60
	39.0			39.0					35/39
		25.0			25.0		25.0		35/25
						15.5		15.5	35/15

Table 4

FREQUENCY ADJUSTMENT AT +25°C ± 2°C	FREQUENCY [KHz]								Code
	10 ... 30	30 ... 50	50 ... 80	80 ... 130	130 ... 250	250 ... 500	300 ... 400	400 ... 1100	
Frequency adjustment / ppm	± 10	± 10	± 10	± 10	± 10	± 10	± 10	± 10	J1
	± 20	± 20	± 20	± 20	± 20	± 20	± 20	± 20	B2
	± 50	± 50	± 50	± 50	± 50	± 50	± 50	± 50	H2

Table 5

FREQUENCY STABILITY OVER TEMPERATURE RELATED TO + 30°C		FREQUENCY DEVIATION [ppm]					
		- 20	- 50	- 75	- 100	- 150	- 200
Temperature range	Code	02	03	04	05	06	07
+ 10 ... + 40°C	A	o	o	o	o	o	o
0 ... + 50°C	B	o	o	o	o	o	o
- 10 ... + 60°C	H			o	o	o	o
- 20 ... + 70°C	M				o	o	o

Table 6

MAX. RESISTANCE R _R	Crystal Cut	FREQUENCY [KHz]	R _{RMAX} [KΩ]
	XY	10 - 30	50
		30 - 50	30
	X	45 - 80	0.7
		80 - 140	1
		140 - 190	1.5
		190 - 500	2
	SL	300 - 700	0.5
		700 - 1100	2

Table 6

Odering Code ⁽¹⁾	FREQUENCY [KHz]	CRYSTAL CUT CODE: TABLE 3	ENCLOSURE CODE: TABLE 3	LOAD CAP.: 00: SERIES 30: 30 pF TABLE 2	ADJ. Tolerance CODE: TABLE 4	TEMP. RANGE CODE: TABLE 5	FREQ. STAB. OVER TEMP. CODE: TABLE 5
	77.5	X	35/60	30	B2	H	05

⁽¹⁾ Other specifications on request

