

Table 1

ENCLOSURE	H [mm]	CODE	
HC-48/U	19.8	70	

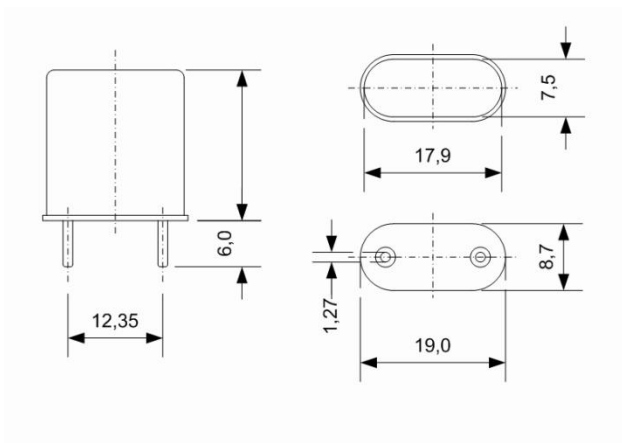


Table 2

45.0 ... 1100 KHz		Unit	Condition
Frequency range	45.0 ... 1100	KHz	
Crystal cut			See table 3
Enclosure	HC-48/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	FREQUENCY [KHz]					Code
	45 ... 100	185 ... 500	130 ... 440	220 ... 800	300 ... 1100	
Flexural resonator	XY					XY
Longitudinal resonator		X				X
DT-Cut			DT			DT
CT-Cut				CT		CT
SL-Cut					SL	SL

Table 4

FREQUENCY ADJUSTMENT AT +25°C ± 2°C	FREQUENCY [KHz]					
	45 ... 100	185 ... 500	130 ... 440	220 ... 800	300 ... 1100	Code
Frequency adjustment / ppm	± 10	± 10	± 10	± 10	± 10	J1
	± 20	± 20	± 20	± 20	± 20	B2
	± 50	± 50	± 50	± 50	± 50	H2

Table 5

FREQUENCY STABILITY OVER TEMPERATURE RELATED TO + 30°C		FREQUENCY DEVIATION [ppm]					
XY and X:	x	- 20	- 50	- 75	- 100	- 150	- 200
DT and SL:	o						
CT:	+						
Temperature range	Code	02	03	04	05	06	07
+ 10 ... + 40°C	A	o	+xO	+xO	+xO	+xO	+xO
0 ... + 50°C	B		o	+xO	+xO	+xO	+xO
- 10 ... + 60°C	H		o	+o	+xO	+xO	+xO
- 20 ... + 70°C	M			o	+o	+xO	+xO
- 30 ... + 80°C	R			o	o	o	+xO
- 55 ... + 105°C	W					o	o

Table 6

MAX. RESISTANCE R _R	Crystal Cut	FREQUENCY [KHz]	R _{RMAX} [KΩ]
	XY	45 - 60	30
		60 - 100	15
	X	200 - 500	2
		DT	130 - 250
	CT	250 - 440	1.5
		220 - 400	0.8
	SL	400 - 800	2
		300 - 700	0.5
		700 - 1100	3

Table 6

Odering Code ⁽¹⁾	FREQUENCY [KHz]	CRYSTAL CUT CODE: TABLE 3	ENCLOSURE CODE: TABLE 1	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
	350	SL	70	30	B2	H	05

⁽¹⁾ Other specifications on request