

CO2

CLOCK OSCILLATOR EASY ORDERING GUIDE

Ordering Clock Oscillators from Hy-Q could not be easier because all the necessary information is contained on this page. To place an order to receive a quotation, simply telephone or fax our Sales Office with the following information and nominal frequency required:-

Package Style	Temperature Range	Frequency Stability
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Please use the headings to identify the specific parameters of the oscillator(s) required.

Example: 8A30 REPRESENTS: Package Style Half size, temperature range -40 to +85°C and a frequency stability of ±30ppm over the operating temperature range.

8	A	30
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The Hy-Q 3 column ordering system has been incorporated into this easy ordering guide.

First Column Package Style	Second Column Temperature Range (°C)	Third Column Frequency Stability
Half size	A -40 to +85	15
8		20
	B -30 to +75	25
Full size		30
14	C 0 to +70	50
		100

NOTE: Add suffix T to 3 column code if tri-state operation is required. Other stabilities and temperature ranges are available on request.

SPECIFICATION

Frequency
Supply Voltage (VDD)
Supply Current

Logic Type Output

Waveform
Logic Levels

Fan Out

M/S Ratio

Fall & Rise Times
Tri-State (see NOTE)

PERFORMANCE

1.000MHz to 70.000MHz
+5.0V ±10%
20 to 50mA
(dependant upon nominal frequency)

Squarewave HCMOS/TTL compatible
Low<+0.4V High>+4.5V
(VDD = +5.0V)

50pF or 10 LSTTL Gates to 50MHz
30pF or 10 LSTTL Gates>50MHz

55:45 at 45:55 at +2.5V
(60:40 to 40:60 at +1.4V)

4ns maximum (20% to 80% of VDD)
Logic level low = Disabled
Logic level high = Active

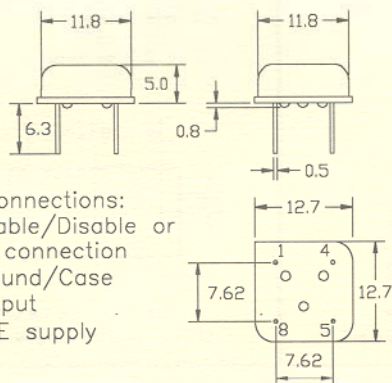
This table shows the stabilities which can be available and are inclusive of ageing over 1 year, calibration at 25°C and change with supply volts:

TEMPERATURE °C	±100	±50	±30	±25	±20	±15
A -40 to +85	①	②	③	④	⑤	⑥
B -30 to +75	⑦	⑧	⑨	⑩	⑪	⑫
C 0 to +70	⑬	⑭	⑮	⑯	⑰	⑱

SYMBOLS SHOW DEGREE OF DIFFICULTY: ☺ ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ☹
☺ = Very Little Difficulty, ☹ = Consult Sales Office for availability, ☹☹ = Not available

Standard delivery
15 working days 5,
7 or 10 day priority
despatch

HALF SIZE DIL(8)



FULL SIZE DIL(14)

