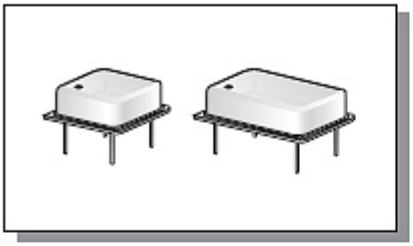
HUDSON QUARTZ CRYSTAL OSCILLATORS

A range of industry standard, CMOS/TTL compatible crystal oscillators housed in low profile, resistance weld metal cases. Termination by 4 corner pins based upon either an 8 pin or 14 pin DIL format. Tables below list a selection of the most popular frequencies.



- Industry standard
- **5V supply**
- CMOS/TTL compatible
- Low profile metal cases
- Choice of **8 pin** or **14 pin DIL format**
- Stand-by option on 14 pin

NEW

Specification

Supply voltage	5.0Vdc ±10%
Supply current	20mA (≤20MHz), 40mA (≥24MHz)
Output load (fanout)	10 TTL or 15pF
Frequency stability	±100ppm
'0' level	+0.5V max. (10% V_{DD})
'1' level	+4.5V min. (90% V_{DD})
Rise time	10ns
Fall time	6ns
Duty cycle	45 to 55% (≤40MHz), 40 to 60% (≥50MHz)
Oper. temp. range	0°C to +70°C

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Also available to special order :

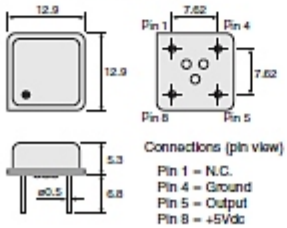
- Other frequencies

Please contact our Sales Desk for details.

8 PIN DIL FORMAT

Frequency MHz	Anglia Order Code
1.8432	608002
2.4576	608004
3.579545	608007
3.6864	608008
4.0	608009
4.433619	608032
4.9152	608029
5.0	608013
6.0	608011
8.0	608015
8.192	608067
10.0	608017
12.0	608019
12.288	608020
14.31818	608063
16.0	608022
16.384	608077
20.0	608025
24.0	608027
24.576	608131
32.0	608039
40.0	608065
50.0	608066
64.0	608064

Dimensions (mm)



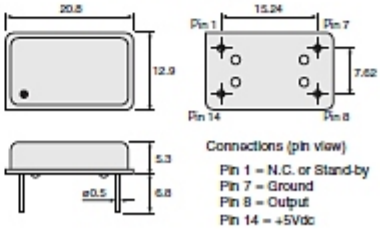
Connections (pin view)

Pin 1 = N.C.
Pin 4 = Ground
Pin 5 = Output
Pin 8 = +5Vdc

14 PIN DIL FORMAT

Frequency MHz	Anglia Order Code Standard	With Stand-by
1.8432	610002	611002
2.4576	610004	611004
3.579545	610007	611007
3.6864	610008	611008
4.0	610009	611009
4.433619	610032	611032
4.9152	610029	611029
5.0	610013	611013
6.0	610011	611011
8.0	610015	611015
8.192	610067	611067
10.0	610017	611017
12.0	610019	611019
12.288	610020	611020
14.31818	610063	611063
16.0	610022	611022
16.384	610077	611077
20.0	610025	611025
24.0	610027	611027
24.576	610131	611131
32.0	610039	611039
40.0	610065	611065
50.0	610066	611066
64.0	610064	611064

Dimensions (mm)



Connections (pin view)

Pin 1 = N.C. or Stand-by
Pin 7 = Ground
Pin 8 = Output
Pin 14 = +5Vdc