

HCOH Series

8 Pin DIP TTL/HCMOS

| | | |
|------------------------------|--|------------------------------------|
| Frequency | 10 KHz to 160.000 MHz | |
| Output Level | TTL | HCMOS |
| Level | '0'= 0.4 Vdc Max., '1'=2.4 Vdc Min. | '0'=0.1 Vcc Max., '1'=0.9 Vcc Min. |
| Duty Cycle | Specify 50% ± 10% or ± 5% | |
| Rise/ Fall Time | 5 nS Max. for Vcc = +3.3 Vdc , 10 nS Max. for Vcc=+5 Vdc * | |
| Output Load | 10 TTL | 15 pF to 50 pF (Specify) |
| Stability | | |
| Over all Frequency Stability | See Table Frequency Stability | |
| Start-up Time | 10mS max | |
| Enable/Disable Time | 100nS max | |
| Supply Voltage | 3.3Vdc ±5% | 5.0Vdc ±10% |
| Current | 15 mA to 40 mA Max * | 30 mA to 85 mA Max * |
| Temperature | | |
| Operating | See Table Operating Temperature | |
| Storage | -55°C to +125°C | |

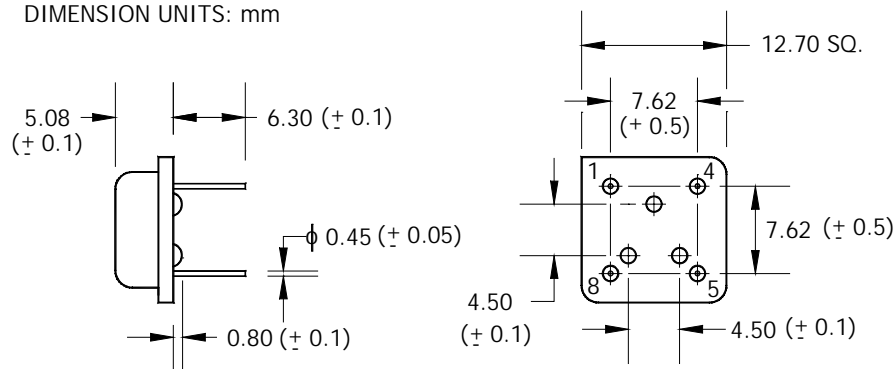
* Frequency related parameters

| Part Number Guide | | Sample Part #: HCOH-5151EH-20.000 | | | | | |
|-------------------|---------------|-----------------------------------|-----------------------|-----------------------|--------------------|-----------------|-------------|
| | Input Voltage | Operating Temperature | Symmetry (Duty Cycle) | Output | Stability (in ppm) | Enable/Disable | Frequency |
| HCOH | 5 = 5.0V | 1 = 0°C ~ +70°C | 5 = 45/55 max | 1 = 10TTL /15pF HCMOS | E = ±10 | H = Enable High | 20.000 MHz. |
| | 3 = 3.3V | 6 = -10°C ~ +70°C | 6 = 40/60 max | 2 = 10TTL | D = ±15 | O = None | |
| | | 3 = -20°C ~ +70°C | | 3 = 15pF HCMOS | F = ±20 | | |
| | | 4 = -30°C ~ +75°C | | 4 = ACMOS | A = ±25 | | |
| | | 5 = -40°C ~ +80°C | | 5 = 50pF HCMOS | B = ±50 | | |
| | | 2 = -40°C ~ +85°C | | | C = ±100 | | |

Gullwing Lead Option : add -G after Frequency

| Tri-State Function | |
|--------------------|--------|
| Pin 1 Open | Active |
| Pin 1 ≥ 2.2V | Active |
| Pin 1 ≤ 0.8 V | High Z |

DIMENSION UNITS: mm



| PIN | CONNECTIONS |
|-----|-------------|
| 1 | NC/ED |
| 4 | GROUND |
| 5 | OUTPUT |
| 8 | Vcc |

