



FEATURE

- High Stability upto 5 ppb
- Standard European IEC CO-08 Pin-out
- SC-Cut Crystal
- Custom Options available
- RoHS Compliant Standard

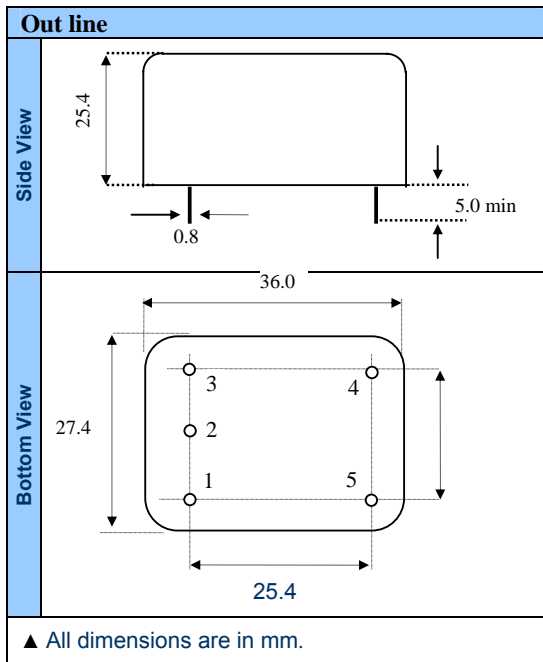
Table 1

Codes	Stability Codes	
	Frequency Stability	Temperature Range
A	0 to +50° C	Temperature Range
B	0 to +60° C	
F	0 to +70° C	
D	-10 to +60° C	
E	-10 to +70° C	
C	-20 to +70° C	
G1	-30 to +70° C	
I5	-40 to +70° C	
I4	-40 to +80° C	

**Typical Phase Noise
(10 MHz Sine Output)**

1 Hz Offset	- 90 dBc/Hz
10 Hz Offset	-125 dBc/Hz
100 Hz Offset	-135 dBc/Hz
1 KHz Offset	-150 dBc/Hz
10 KHz Offset	-155 dBc/Hz

MECHANICAL SPECIFICATIONS



Parameters	Variant			Option Codes	
	H	T	S		
Frequency Range:	1 MHz – 30 MHz 5 MHz – 30 MHz	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Output Drive:	15 pF HCMOS / TTL Sine wave	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Output Levels:	Logic '0' = +0.5V max, '1' = +4.0V min Logic '0' = +0.4V max, '1' = +2.4V min 3 dBm (min) into 50Ω	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Rise / fall time:	10 ns max	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Waveform symmetry:	40:60 max @ 2.5V 40:60 max @ 1.4V	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Frequency at room temperature:	± 0.01 ppm at 25°C±2°C	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Operating temperature range:	(Table 1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Specify
Operating temperature stability:	± 5x10 ⁻⁹ ± 10x10 ⁻⁹ ± 20x10 ⁻⁹ Other	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	005 010 020 Specify
Supply voltage (VDD):	+5.0V DC (±5%) +12.0V DC (±5%)	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	5 C
Supply voltage stability:	<1x10 ⁻⁹ per 5% Change	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Power consumption:	5 watts max. during warm-up @ 25°C 2 watts max. at steady-state @ 25°C	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
Warm up time:	10 min Max. to ±0.01 ppm @ 25°C	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Ageing:	± 1x10 ⁻⁹ per Day ± 5x10 ⁻⁸ per Year	<input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/>	
Frequency adjustment:	±0.2 ppm (min.) by Control voltage trim (2.5 V ±2.0 V) None	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/>	V N
Storage Temperature Range:	-40 to +85° C	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

■ Standard, □ Optional – please specify required code(s) when ordering.

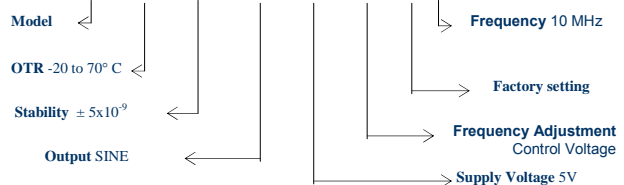
Pin configuration

Pin	Option V	Option N
1	Control Voltage	No Connection
2	No Connection	No Connection
3	DC Input	DC Input
4	Output	Output
5	Ground	Ground

Ordering Information

Example

2055 C 005 S 5 V X / 10 MHz



Specifications subject to change without notice
Revision No. 12b of May 2008