



**FEATURE**

- Wide frequency range
- Custom Options available
- RoHS Compliant Standard

**Table 1**

Codes	Stability Codes	
	Frequency Stability	
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	
G	-30 to +80° C	
H	-30 to +85° C	
I	-40 to +85° C	

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

1 Hz Offset	- 80 dBc/Hz
10 Hz Offset	-110 dBc/Hz
100 Hz Offset	-135 dBc/Hz
1 KHz Offset	-140 dBc/Hz
10 KHz Offset	-145 dBc/Hz

**MECHANICAL SPECIFICATIONS**

**Outline**

**Option R**

External 2 pin variable resistor

▲ All dimensions are in mm.

**Pin configuration**

Pin	Option V	Option R
1	Ground	Ground, 10K One end
2	Output	Output
3	DC Input	DC Input
4	Control Voltage	10K Other end

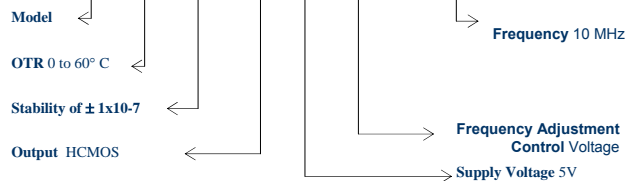
Parameters	Variant			Option Codes
	H	T	S	
<b>Frequency Range:</b> * 1.5 MHz – 120 MHz 10 MHz – 120 MHz *For other frequencies please contact us	■	□	■	
<b>Output Drive:</b> 15 pF HCMOS / TTL Sine wave	■	■	■	
<b>Output Levels:</b> Logic '0' = +0.5V max, '1' = +4.0V min Logic '0' = +0.4V max, '1' = +2.4V min 0 dBm (min) into 50Ω	■	■	■	
<b>Rise / fall time:</b> 10 ns max	■	■		
<b>Waveform symmetry:</b> 40:60 max @ 2.5V 40:60 max @ 1.4V	■	■		
<b>Frequency at room temperature:</b> ± 0.1 ppm at 25°C±2°C	■	■	■	
<b>Operating temperature range:</b> (Table1)	□	□	□	Specify
<b>Operating temperature stability:</b> ± 5x10 <sup>-8</sup> ± 1x10 <sup>-7</sup> ± 25x10 <sup>-8</sup> Other	□ ■ □ □	□ ■ □ □	□ ■ □ □	050 100 250 Specify
<b>Supply voltage (VDD):</b> +5.0V DC (±5%) Other	■ □	■ □	■ □	Specify
<b>Power consumption:</b> 2.75 watts max. during warm-up @ 25°C 1 watt max. at steady-state @ 25°C	■	■	■	
<b>Warm up time:</b> 5 min Max. to ±0.1 ppm @ 25°C	■	■	■	
<b>Supply voltage stability:</b> <1x10 <sup>-8</sup> per 5% Change	■	■	■	
<b>Ageing:</b> ± 0.1 ppm per year after 30 days	■	■	■	
<b>Frequency adjustment:</b> Control voltage trim(2.5V ± 2.5V for +5V) External 2 pin 10K variable resistor None	■ □ □	■ □ □	■ □ □	V R N
<b>Storage Temperature Range:</b> -55 to +125° C	■	■	■	

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

**Ordering Information**

**Example**

3333 B 100 H 5 V 010M000000



Specifications subject to change without notice  
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