



FEATURE

- Wide frequency range
- Standard European IEC CO-08 Pin-out
- Custom Options available
- RoHS Compliant Standard

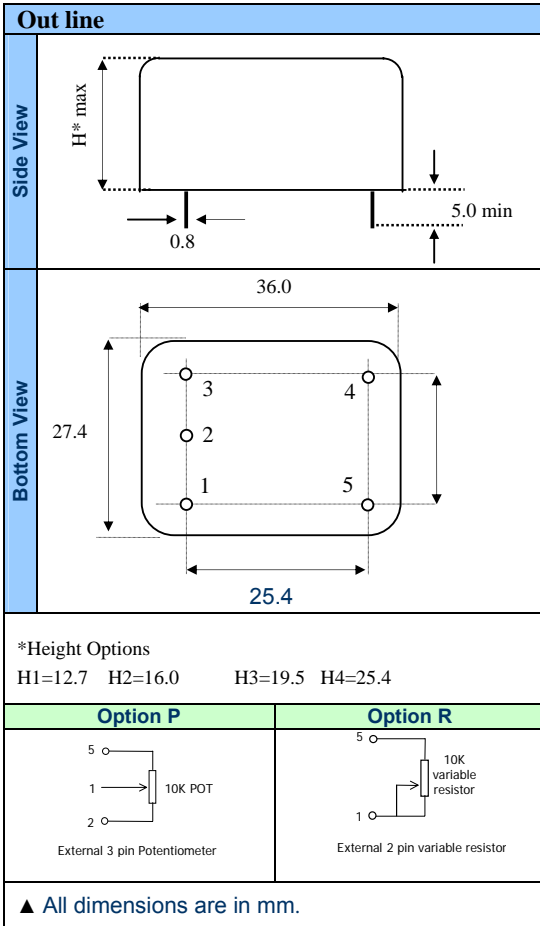
Table 1

Codes	Stability Codes	
	Frequency	Stability
A	0 to +50° C	
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	- 65 dBc/Hz
10 Hz Offset	-110 dBc/Hz
100 Hz Offset	-135 dBc/Hz
1 KHz Offset	-135 dBc/Hz
10 KHz Offset	-145 dBc/Hz

MECHANICAL SPECIFICATIONS



Pin configuration

Pin	Option V	Option R	Option P
1	Control Voltage	10K one end	10K wiper end
2	No Connection	No Connection	10 K POT one end
3	DC Input	DC Input	DC Input
4	Output	Output	Output
5	Ground	Ground (10K other end)	Ground (10K other end)

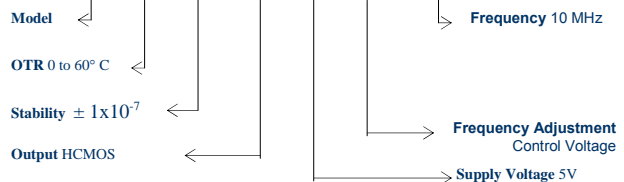
Parameters	Variant			Option Codes
	H	T	S	
Frequency Range: * 1.5 MHz – 120 MHz 10 MHz – 120 MHz *For other frequencies please contact us	■	□	■	
Output Drive: 15 pF HCMOS / TTL Sine wave	■	■	■	
Output Levels: Logic '0' = +0.5V max, '1' = +4.0V min Logic '0' = +0.4V max, '1' = +2.4V min 0 dBm(min) into 50Ω	■	■	■	
Rise / fall time: 10 ns max	■	■		
Waveform symmetry: 40:60 max @ 2.5V 40:60 max @ 1.4V	■	■		
Frequency at room temperature: ± 0.1 ppm at 25°C±2°C	■	■	■	
Operating temperature range: (Table 1)	□	□	□	Specify
Operating temperature stability: ± 5x10 ⁻⁸ ± 1x10 ⁻⁷ ± 25x10 ⁻⁸ Other	□ ■ □ □	□ ■ □ □	□ ■ □ □	050 100 250 Specify
Supply voltage (VDD): +5.0V DC (±5%) Other	■ □	■ □	■ □	Specify
Power consumption: 2.75 watts max. during warm-up @ 25°C 1 watt max. at steady-state @ 25°C	■ ■	■ ■	■ ■	
Warm up time: 5 min Max. to ±0.1 ppm @ 25°C	■	■	■	
Supply voltage stability: <1x10 ⁻⁸ per 5% Change	■	■	■	
Ageing: ± 0.1 ppm per year after 30 days	■	■	■	
Frequency adjustment: Control voltage trim (0.5 Vcc ± 0.5 Vcc) External 2 pin 10K variable resistor External 3 pin 10K potentiometer None	■ □ □ □	■ □ □ □	■ □ □ □	V R P N
Storage Temperature Range: -40 to +85° C	■	■	■	

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

Ordering Information

Example

2050 B 100 H 5 V 010M000000



Specifications subject to change without notice
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