



FEATURE

- Wide frequency range
- Industry standard pin-out
- Custom Options available
- RoHS Compliant Standard

Table 1

| Codes | Stability Codes | |
|-------|---------------------|-------------------|
| | Frequency Stability | Temperature Range |
| 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 | |

Table 2

| Supply Voltage | 5V | 12V |
|----------------|----|-----|
| Code | 5 | C |

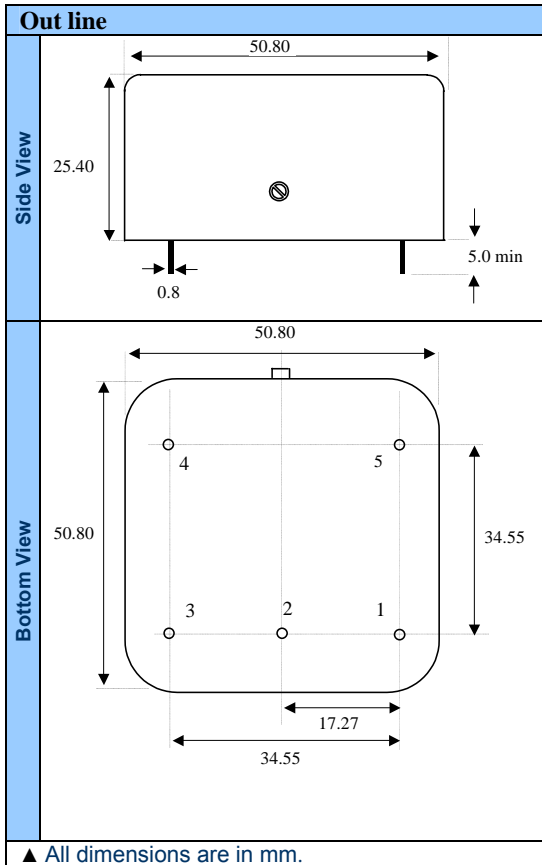
Typical Phase Noise (10 MHz Sine Output)

| | |
|---------------|-------------|
| 1 Hz Offset | -65 dBc/Hz |
| 10 Hz Offset | -90 dBc/Hz |
| 100 Hz Offset | -120 dBc/Hz |
| 1 KHz Offset | -135 dBc/Hz |
| 10 KHz Offset | -140 dBc/Hz |

| Parameters | Variant | | | Option Codes | |
|------------------------------------|---|-------------------------------------|-------------------------------------|-------------------------------------|------------------------------|
| | H | T | S | | |
| Frequency Range: | 1 MHz – 120 MHz 5 MHz – 120 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 +0 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: | ± 0.1 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 ⁻⁸ ± 1x10 ⁻⁷ ± 2x10 ⁻⁷ Other | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 050 100 200 Specify |
| Supply voltage (V _{DD}): | (Table 2) +5.0V DC (±5%) +12.0V DC (±5%) Other | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Specify |
| Power consumption: | 9 watts max. during warm-up @ 25°C (for<10MHz) 3 watts max. during warm-up @ 25°C (for>10MHz) 1.5 watts max. at steady-state @ 25°C | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Warm up time: | 5 min Max. to ±0.1 ppm @ 25°C | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Supply voltage stability | <1 x 10 ⁻⁸ per 5% Change | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Ageing: | ± 0.1 ppm per year after 30 days | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Frequency adjustment: | Internal trimmer Control Voltage Trim (0.5 Vcc ± 0.5 Vcc) None | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | I V N |
| Storage Temperature Range: | -55 to +125° C | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |

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

MECHANICAL SPECIFICATIONS



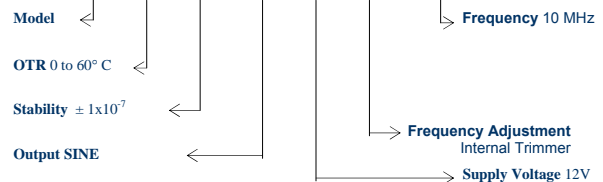
Pin configuration

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

Ordering Information

Example

2000 B 100 S C I 010M000000



Specifications subject to change without notice
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