OVEN CONTROLLED CRYSTAL OSCILLATOR

SMD-OCXO 2520

❑ FEATURE

- Small, Low profile SMD Package
- Industry Standard Pin-Out
- High Stability upto ±5x10^{-9}
- Low Phase Noise –160dBc/Hz,@ 10KHz
- 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	

Typical Phase Noise
(26Hz HCMOS output)

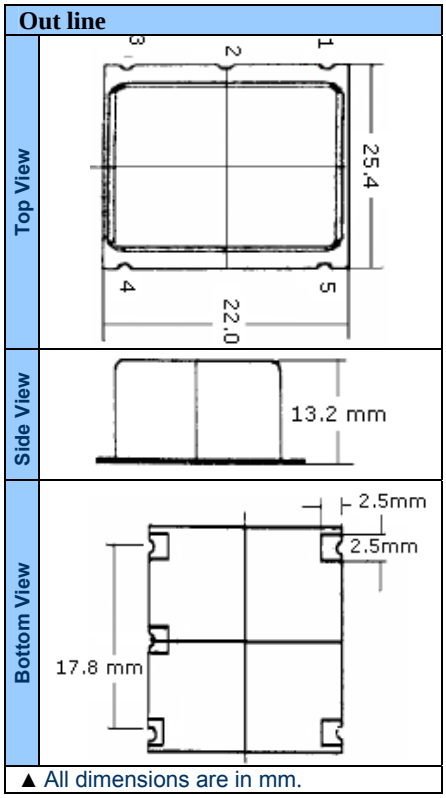
10 Hz Offset	-125 dBc/Hz
100 Hz Offset	-145 dBc/Hz
10KHz Offset	-160 dBc/Hz

Parameters	Option Codes
Nominal Frequency: 10 MHz	
Output Drive: TTL	
Output Load 10K±10% // 15pF ±10%	
Rise / fall time: <2.5 ns max	
Waveform symmetry: 45:55 max @ 2.0V	
Operating temperature range: (Table 1)	Specify
Operating temperature stability: ±5x10^{-9} ±10x10^{-9} ±20x10^{-9}	005 010 020
Supply voltage (V_{DD}): +5.0V DC (±5%)	
Power consumption: 3.5 watts max. During warm-up 1.0 watts max. At steady-state @ 25°C	
Warm up time: <5 min 25°C to final frequency <8 min 0°C to final frequency	
Ageing: ± 0.1 ppm per year after 30 days	
Frequency adjustment: (min.) -0.5 ppm@ Vcont of 0V (min.) +0.5 ppm@ Vcont of 4V	
Control Voltage: 2V ± 2V	
Storage Temperature Range: -40°c to 85°c	
Supply voltage stability: ±1x10^{-9}	

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

MECHANICAL SPECIFICATIONS

Out line



▲ All dimensions are in mm.

Pin configuration

Pin	Option V
1	Control Voltage
2	Vreference
3	Vcc
4	Output
5	Ground

Ordering Information

Example

2020 I 010 T 5 V 010M000000

- Model
- OTR °-40 to 85°C
- Stability ± 10x10^{-9}
- Output TTL
- Supply Voltage 5V
- Frequency Adjustment Vcontrol
- Frequency10 MHz

Specifications subject to change without notice
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