

Dynamic Engineers Inc.

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Features and Benefits

10 Hz to 110 MHz Voltage control options 1.2V to 18.0V Ultra low power High shock and vibration -100°C to +300°C Extended operation life

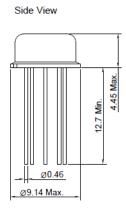
Typical Applications

Extreme Temperature such as downhole tools

Description

Special extreme temperature components, assembly processes, and testing methods used to create a family of oscillator products capable of operating reliably at +300°C.

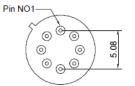
Mechanical Drawing & Pin Connections



Drawing No:

MD150058-1

Bottom View



Custom Pin Assignments Available Unit : mm

Specifications

Parameter		Specification	Note
Frequency Range		10 Hz to110 MHz	
Overall Frequency Tolerance		+/-100PPM, +/-250PPM, +/-300PPM	Custom available
Supply Voltage(Vdd)		1.2V, 1.8V, 2.5V, 3.3V(+/-10%), or 5.0V	Option: 12V to 18V
Symmetry(Duty Cycle)		40%/60% min., 45%/55%, Other	·
Logic		HCMOS/TTL	Sinewave available
Tri-State Control:	Output "0" Level	Output disable HI-Z	
	Output "1" Level or Open	Oscillation	
Screened to MIL-PRF-55310		Available	
Operating Temperature		0°C to +210°C Std.	Custom available
Storage Temperature		-55°C to +240°C	Option: to +300°C
Package Options		1/2 Size 8-Pin DIP; Full Size 14-Pin DIP TO-5, SMD	

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