

Excellent frequency stability •

Specifications:

- Wide operating temperature range
- Clipped-Sine/CMOS output, tight specifications
- Suited for communications equipment, cellular radios, and instrumentation.

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Frequency Range:	9.6 MHz ~ 45.0 MHz	
Operating Temperature:	0°C ~ +50°C - A	18.5±0.2
	-10°C ~ +60°C - B	
	-20°C ~ +70°C - C	
	-30°C ~ +75°C - D	
	-40°C ~ +85°C - L	<u></u>
Storage Temperature:	-40°C ~ +85°C	
Frequency Stability:		
Vs. Temperature:	$\pm$ 5.0 ppm	
	$\pm$ 3.0 ppm	
	$\pm$ 2.5 ppm	
	± 2.0 ppm	
	± 1.0 ppm	
Vs. Input Voltage:	$\pm0.3$ ppm at voltage $\pm5\%$	( #1 #7 ° ;
Vs. Load:	$\pm$ 0.2 ppm at load $\pm$ 10%	2 4 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Aging:	$\pm$ 1.0 ppm max first year	o #14 #8 o ► 15.24±0.2
Pulling Range:	$\pm5$ ~ $\pm15$ ppm (optional)	
Output Level:	1.0 Vp-p min	
Output Waveform:	Clipped-Sine - S	
	CMOS/15pF/50±5% - C	Pin Configurations
Output Load:	10 K $\Omega$ // 10 pF(Clipped-sine)	1 VC or NC
Frequency Adjustment:	$\pm$ 3.0 ppm min with internal trimmer	7 Ground 8 Output
		14 Supply VDD
Supply Voltage:	+3.3 VDC (± 0.2%)	
	+5.0 VDC (± 0.3%) - P	All dimensio
Supply Current:	2.5 mA max	Ordering Information

## Note:

Other frequencies, stabilities, and operating temperature ranges available. 1. Consult VTC Support for specific requirements.

www.2. Dat Not all combinations of the above, stabilities, and temperature ranges are available. Consult VTC Support if your requirement is not standard.

3. All specifications subject to change without notice.

ions are in mm

Product name + Operating Temperature + Stability Frequency (MHz) + + Other

i.e. TO506B2.0S-8.0MHz ±2.0ppm/-10°C~+60°C/3.3V

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Specification Code.

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## **TO506**

TO-B

