



Model 377

HFF LVDS VCXO

Features

- Ceramic Surface Mount Package
- Ultra-Low Phase Jitter Performance
- High Frequency Fundamental Crystal Design
- Frequency Range 100 – 250MHz *
- +2.5V or +3.3V Operation
- Output Enable Standard
- Tape and Reel Packaging, EIA-418



Part Dimensions:
7.0 × 5.0 × 2.0mm • 178.462mg

Applications

- Small Cells
- Wireless Communication
- Broadband Access
- SONET/SDH/DWDM
- Base Stations
- Ethernet/GbE/SyncE
- Digital Video
- Test and Measurement

Standard Frequencies

- | | |
|-------------|-------------|
| - 100.00MHz | - 156.25MHz |
| - 122.88MHz | - 166.00MHz |
| - 125.00MHz | - 200.00MHz |
| - 153.60MHz | - 204.08MHz |
| - 155.52MHz | - 245.76MHz |

* Check with factory for availability.

Description

CTS Model 377 is a low cost, small size, high performance VCXO. Employing the latest IC technology, coupled with a high frequency fundamental crystal, M377 has excellent stability and low jitter/phase noise performance.

Ordering Information

Model	Supply Voltage	Absolute Pull Range	Frequency Stability	Temperature Range	Frequency Code [MHz]	Packaging																		
377	L	B	3	I	XXX or XXXX	T																		
	<table><tr><th>Code</th><th>Voltage</th></tr><tr><td>L</td><td>+3.3V ±5%</td></tr><tr><td>N</td><td>+2.5V ±5%</td></tr></table>	Code	Voltage	L	+3.3V ±5%	N	+2.5V ±5%		<table><tr><th>Code</th><th>Stability</th></tr><tr><td>3</td><td>±50ppm</td></tr><tr><td>5</td><td>±25ppm</td></tr><tr><td>6</td><td>±20ppm¹</td></tr></table>	Code	Stability	3	±50ppm	5	±25ppm	6	±20ppm ¹		<table><tr><th>Code</th><th>Frequency</th></tr><tr><td colspan="2">Product Frequency Code²</td></tr></table>	Code	Frequency	Product Frequency Code ²		
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		<table><tr><th>Code</th><th>APR</th></tr><tr><td>B</td><td>±50ppm³</td></tr></table>	Code	APR	B	±50ppm ³		<table><tr><th>Code</th><th>Temp. Range</th></tr><tr><td>C</td><td>-20°C to +70°C</td></tr><tr><td>I</td><td>-40°C to +85°C</td></tr></table>	Code	Temp. Range	C	-20°C to +70°C	I	-40°C to +85°C		<table><tr><th>Code</th><th>Packing</th></tr><tr><td>T</td><td>1k pcs./reel</td></tr></table>	Code	Packing	T	1k pcs./reel				
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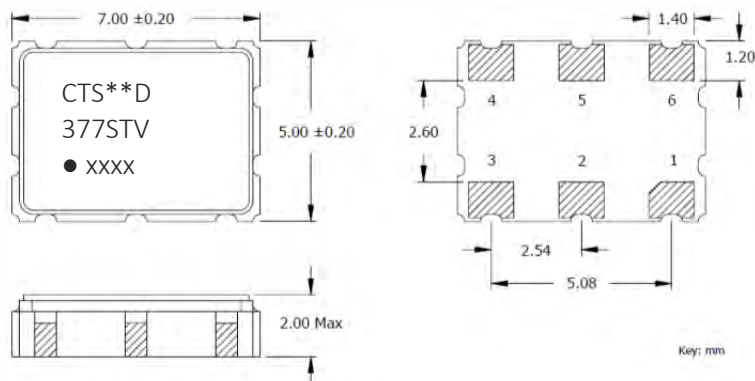
Notes:

- 1] Only available with "C" temperature range.
- 2] Refer to document 016-1454-0, Frequency Code Tables.
3-digits for frequencies <100MHz, 4-digits for frequencies 100MHz or greater.
- 3] Frequencies ≥200MHz, APR is ±30ppm.

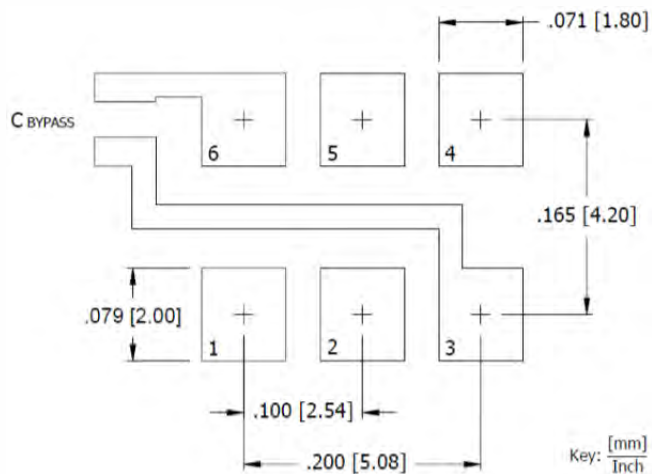
Not all performance combinations and frequencies may be available.
Contact your local CTS Representative or CTS Customer Service for availability.

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18924600166 QQ: 857950243 <http://www.vc-tcxo.com>



1. ** - Manufacturing Site Code.
 2. D – Date Code. See Table I for codes.
 3. ST – Frequency Stability/Temperature Code. [Refer to Ordering Information]
 4. V – Voltage Code. L = 3.3V, N = 2.5V
 5. xxxx – Frequency Code. 4-digits required for frequencies 100MHz and above.
- [See document 016-1454-0, Frequency Code Tables.]



1. Termination pads (e4). Barrier-plating is nickel [Ni] with gold [Au] flash plate.
2. Reflow conditions per JEDEC J-STD-020; +260°C maximum, 20 seconds.
3. MSL = 1.

1	V _C	Control Voltage
2	EOH	Enable
3	GND	Circuit & Package
4	Output	RF Output
5	Output	RF Output, Complementary
6	V _{CC}	Supply Voltage

Table I - Date Code

MONTH					JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
YEAR																
2001	2005	2009	2013	2017	A	B	C	D	E	F	G	H	J	K	L	M
2002	2006	2010	2014	2018	N	P	Q	R	S	T	U	V	W	X	Y	Z
2003	2007	2011	2015	2019	a	b	c	d	e	f	g	h	j	k	l	m
2004	2008	2012	2016	2020	n	p	q	r	s	t	u	v	w	x	y	z