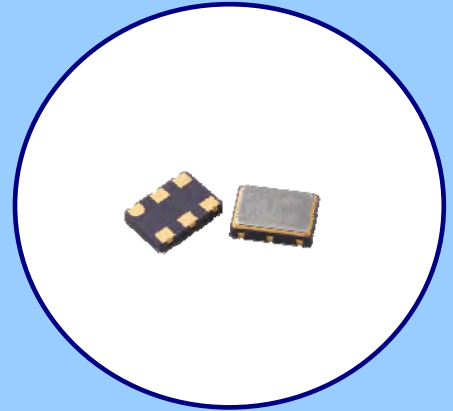


FEATURES

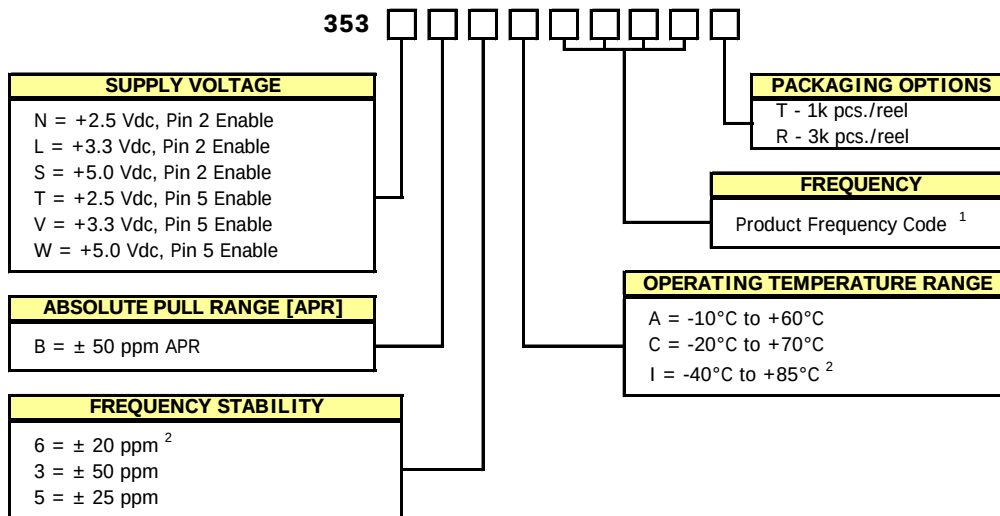
- Standard 5.0mm x 3.2mm 6-Pad Surface Mount Package
- HCMOS Output
- Low Jitter Performance
- Fundamental Crystal Designs
- Frequency Range 1 – 80 MHz
- Operating Voltages +2.5Vdc, +3.3Vdc or +5.0Vdc
- Operating Temperature to -40°C to +85°C
- Output Enable Standard
- Tape & Reel Packaging Standard, EIA-418
- **RoHS/Green Compliant [6/6]**



APPLICATIONS

Model 353 is ideal for applications such as broadband access, Ethernet/Gigabit Ethernet, SONET/SDH, xDSL, PCMA, digital video, Picocells and base stations.

ORDERING INFORMATION



1) Refer to document 016-1454-0, Frequency Code Tables.

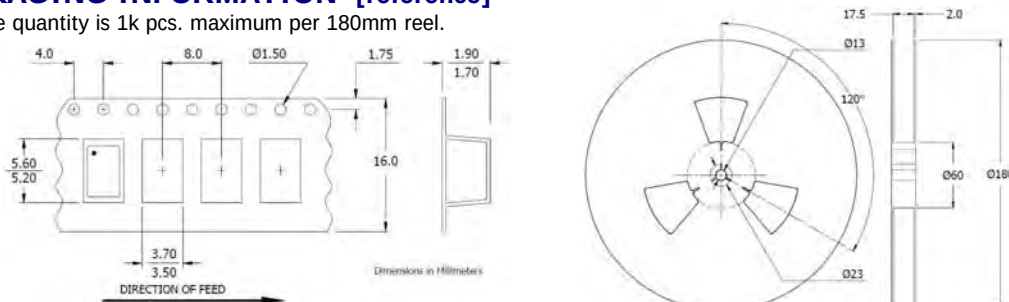
3-digits required for frequencies below 100MHz and 4-digits for frequencies 100MHz or greater.

2) Consult factory for availability of 6I Stability/Temperature combination.

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

PACKAGING INFORMATION [reference]

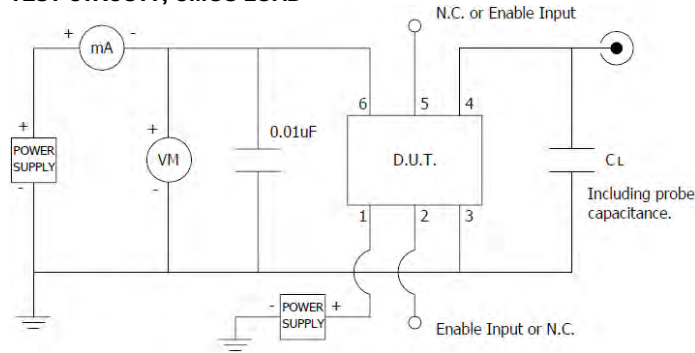
Device quantity is 1k pcs. maximum per 180mm reel.



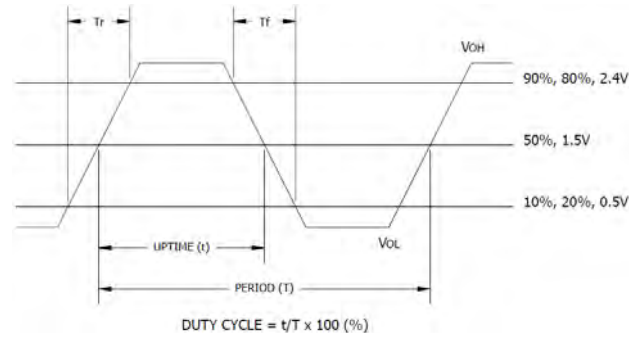
SHENZHEN YIJIN ELECTRONICS CO: LTD TEL: 0755-27876565

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

TEST CIRCUIT, CMOS LOAD

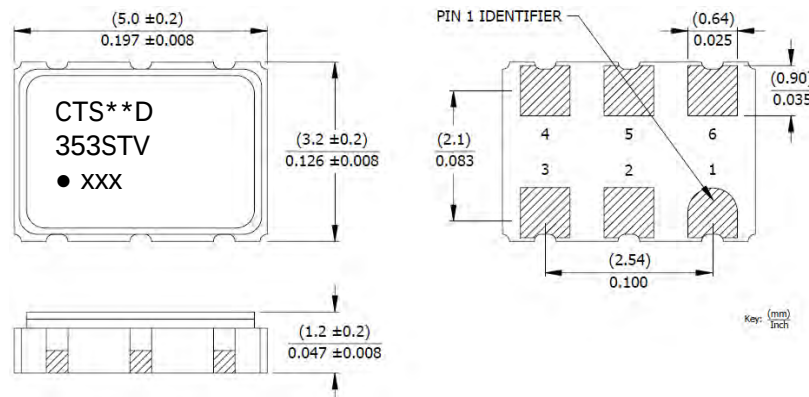


OUTPUT WAVEFORM, CMOS



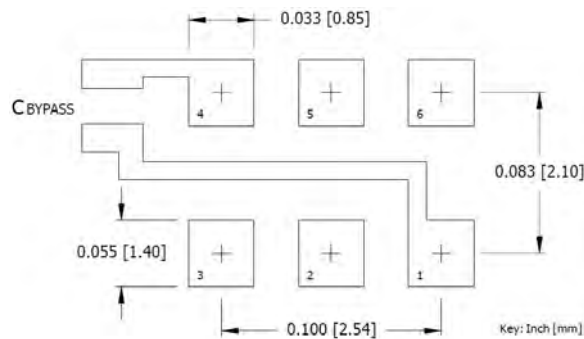
MECHANICAL SPECIFICATIONS

PACKAGE DRAWING



SUGGESTED SOLDER PAD GEOMETRY

C_{BYPASS} should be $\geq 0.01 \mu F$.



MARKING INFORMATION

- ** - Manufacturing Site Code.
- D - Date Code. See Table I for codes.
- ST - Frequency stability/temperature code.
[Refer to Ordering Information.]
- V - Voltage code. N or T = 2.5V, L or V = 3.3V, S or W = 5.0V
- xxx - Frequency Code.
3-digits, frequencies below 100MHz
Refer to document 016-1454-0, Frequency Code Tables.

NOTES

- Complete CTS part number, frequency value and date code information must appear on reel and carton labels.
- Termination pads [e4]. Barrier-plating is nickel [Ni] with gold [Au] flash plate.
- Reflow conditions per JEDEC J-STD-020; 260°C maximum, 20 seconds.
- MSL = 1.

D.U.T. PIN ASSIGNMENTS

PIN	SYMBOL	DESCRIPTION
1	V_C	Control Voltage
2	EOH or N.C.	Enable [std] or No Connect
3	GND	Circuit & Package Ground
4	Output	RF Output
5	N.C. or EOH	No Connect or Enable [opt]
6	V_{CC}	Supply Voltage

TABLE I - DATE CODE

YEAR					MONTH											
2001	2002	2003	2004	2005	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
A	N	a	n	2006	B	P	b	p	2007	C	Q	c	q	2008	D	R
E	S	e	s	2009	F	T	f	t	2010	G	U	g	u	2011	H	V
F	T	t	t	2012	I	W	i	w	2013	J	X	j	x	2014	K	Y
G	U	u	u	2015	L	V	l	v	2016	M	Z	m	z	2017	N	P
H	V	v	v	2018	O	Y	o	y	2019	P	A	p	a	2020	Q	R
I	W	w	w	2021	R	B	r	b								