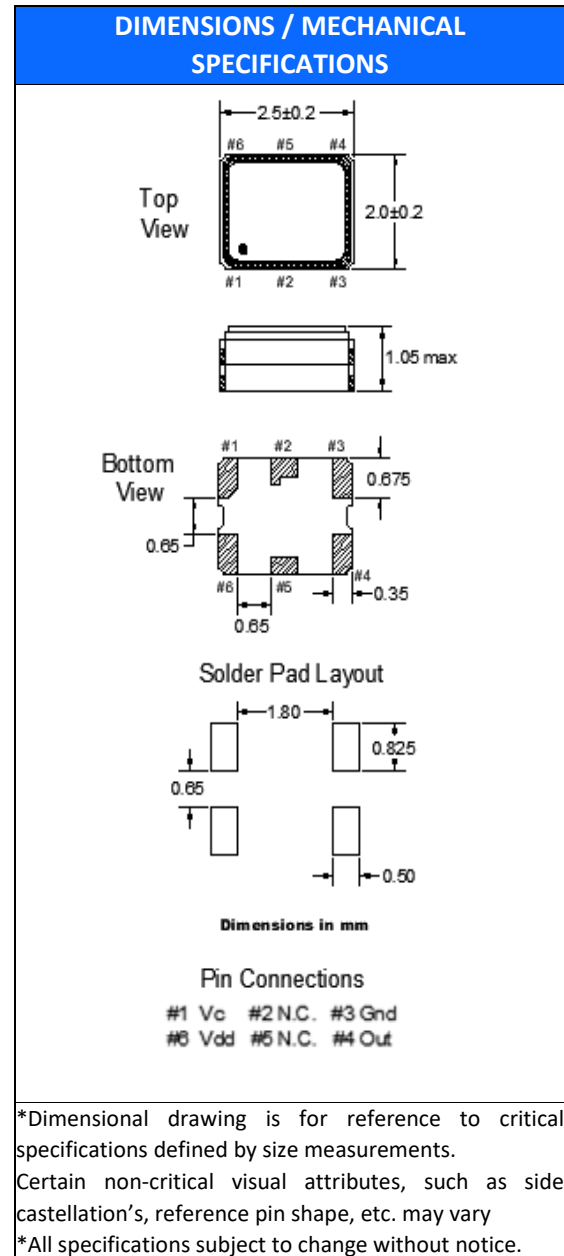


## Features

- Analog Temperature Compensation
- Enable/Disable - Standby

STANDARD SPECIFICATIONS	
PARAMETERS	MAX (Unless otherwise noted)
Frequency Range (MHz)	8.0 ~ 52.000
Temperature Range	
Operating (T <sub>OPR</sub> )	-30°C ~ +85°C
Storage (T <sub>STG</sub> )	-40°C ~ +85°C
Supply Voltage (V <sub>DD</sub> ) (±5%)	1.8V; 3.0V
Input Current (I <sub>DD</sub> ) 8 ~ 32MHz	1.5mA
>32 ~ 52MHz	2.0mA
Initial Frequency Tolerance @ 25°C (after reflow) (T2GV: V <sub>c</sub> = V <sub>DD</sub> /2) <sup>1</sup>	±2.0 PPM
Frequency Stability	
Over Temperature Range	±0.5 PPM
Over Supply Voltage Change (V <sub>DD</sub> ±5%)	±0.1 PPM
Over Load Change (15pF±-10%)	±0.1 PPM
Frequency Slope -30°C ~ +85°C	±0.1PPM/°C
-20°C ~ +65°C	±0.05PPM/°C
Output Voltage Level	0.8V <sub>p-p</sub> min
Output Load	[10kΩ//10pF]±-10%
Aging per year	±1.0 PPM
Startup Time (T <sub>s</sub> )	2.0 mS
Phase Noise @ 1kHz offset	-130 dBc/Hz Typical
Maximum Soldering Temp / Time	260°C / 10 Seconds x 2
Moisture Sensitivity Level (MSL)	1
Termination Finish	Au over Ni
Seal Method	Seam
Lead-Free	Yes
RoHS/REACH Compliant	Yes



Note: A ≥1nF (10nF recommended) DC-Cut capacitor shall be connected to the output.

# FT2GV

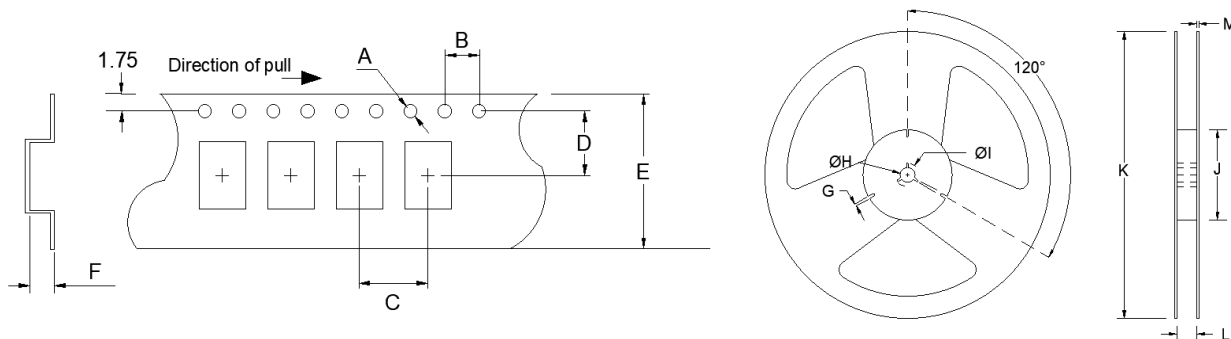
(Former FOX251)

2.5mm x 2.0mm

GPS VCTCXO



TAPE SPECIFICATIONS (mm)							REEL SPECIFICATIONS (mm)						
A	B	C	D	E	F	REEL QTY	G	H	I	J	K	L	M
ø1.5	4.0	4.0	3.5	8.0	1.4	-T3 = 3,000 -T2 = 2,000 -T1 = 1,000	2.5	ø13	ø20.2	ø60	ø180	9.0	1.4



### Available Options & Part Identification for TCXO Model T2CN<sup>1</sup>

Sample PN: **FT2GV<sup>DUK26.0-T3</sup>**

F	T2GV	D	U	K	26.0	-T3
<u>Fox</u>	<u>Model Number</u> T2GV = VCTCXO	<u>Tolerance</u> D = +3.0V±5% K = +1.8V±5%	<u>Stability</u> U = ±0.5 PPM	<u>Operating Temperature</u> K = -30 to +85°C M = -40 to +85°C	<u>Frequency (MHz)</u>	<u>Values Added Options</u> Blank = Bulk T1 = 1,000 pcs T2 = 2,000 pcs <b>T3 = 3,000 pcs</b>

<sup>1</sup> Not all frequencies in the frequency range available.

### Reliability Test Conditions

Please contact Abracon Quality Assurance department