





Scale 1:1

Features

-  **Military temperature range option**
-  **Frequencies up to 160MHz**
-  **Excellent shock resistance**
-  **Enable / disable tristate option**

Standard Frequencies

Frequencies in MHz			
22.1184	51.1500	73.7280	108.0000
24.0000	51.2000	76.8000	110.5920
25.0000	52.0000	78.0000	117.9640
32.0000	55.2960	80.0000	120.0000
32.7860	58.9824	81.2000	125.0000
36.8640	60.0000	81.8400	128.0000
40.0000	60.9000	81.9200	131.0720
40.6000	61.3800	88.4736	132.7104
40.9600	61.4400	90.0000	144.0000
44.2368	64.0000	96.0000	150.0000
48.0000	65.0000	98.3040	160.0000
49.1520	65.5360	100.0000	
50.0000	66.3552	102.4000	
50.7500	72.0000	104.0000	

Other frequencies may be available. Please consult our sales office.

Enable / Disable Function

Input (pin 1)	Output (pin 5)
Open	Enabled
'1' level	Enabled
'0' level	High Impedance

Specifications

XO3H: Standard stability option

XO3HT: Tight stability option

Parameters	Product		Option Codes
	XO3H	XO3HT	
Frequency range: 20.0 ~ 160MHz	■	■	
Frequency stability* (max): ±50ppm over 0 to +70°C ±80ppm over -40 to +85°C ±100ppm over -55 to +125°C ±20ppm over 0 to +70°C ±30ppm over -40 to +85°C ±50ppm over -55 to +125°C	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	A B C A B C
Operable temperature range: -55 to +125°C	■	■	
Storage temperature range: -65 to +125°C	■	■	
Supply voltage (V_{DD}): +5.0V (±10%)	■	■	
Supply current (max): 50mA	■	■	
Driving ability: CMOS / 10 LSTTL	■	■	
Logic levels: '0' level = 0.4V max '1' level = 90% V _{DD} min	■	■	
Start up time: 5ms max	■	■	
Waveform symmetry: 40:60 max @ 50%V _{DD}	■	■	
Rise / fall times: 3ns max	■	■	
Enable / disable function: None (pin 1 NC) Tristate (control via pin 1)	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	E
Shock resistance: 5,000G, 0.3ms, ½ sine	■	■	
Vibration resistance: 10G / 10 ~ 2,000Hz	■	■	

■ Standard. □ Optional - Please specify required code(s) when ordering

* Frequency stability is inclusive of calibration @ 25°C, operating temperature range, supply voltage change, load change and ageing over 10 years.

Ordering Information

Product + option codes + frequency

eg: **XO3H/A 80.0MHz** ±50ppm 0+70°C

XO3HT/B 100MHz ±30ppm -40+85°C

Option code X (eg XO3H/X) denotes a custom specification.