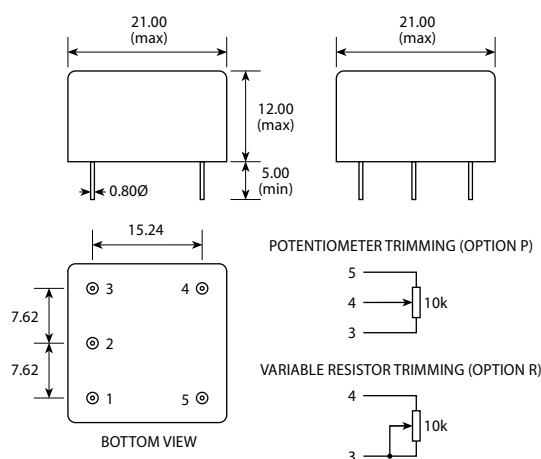


PHOTO NOT AVAILABLE



PIN CONNECTION				
PIN	OPTIONS N & I	OPTION V	OPTION P	OPTION R
1	Supply	Supply	Supply	Supply
2	Output	Output	Output	Output
3	Ground	Ground	Ground	Ground
4	Not connected	Freq adjustment	Freq adjustment	Variable resistor
5	Not connected	Not connected	Ref voltage out	Not connected

Scale 1:1

Features

- Wide frequency range
- Industry standard pin-out
- Custom options available

Frequency Stability

The table shows option codes for the available combinations of frequency stability (in ppm) and temperature range. Some combinations may not be available at certain frequencies.

	±3.0	±2.5	±2.0	±1.5	±1.0	±0.5
-30 to +85°C	KW	JW	HW	-	-	-
-20 to +70°C	KN	JN	HN	GN	FN	-
-10 to +60°C	KC	JC	HC	GC	FC	EC
0 to +50°C	KR	JR	HR	GR	FR	ER

Specifications

GTXO-420H: Standard drive HCMOS / TTL output
GTXO-420T: High drive HCMOS / TTL output

Parameters	Variant		Option Codes
	H	T	
Frequency range: 1.0 ~ 120MHz 1.0 ~ 50MHz	■	■	
Output waveform: HCMOS / TTL	■	■	
Driving ability: 15pF HCMOS / 2 TTL (<50.0MHz) 50pF HCMOS / 10 TTL (<50.0MHz) 50pF HCMOS / 10 TTL (>50.0MHz)	■	■	
Logic levels: '0' = +0.5V max, '1' = +4.5V min '0' = +0.4V max, '1' = +2.4V min	■	■	
Rise / fall time: 10ns max	■	■	
Waveform symmetry: 40:60 max @ 2.5V 40:60 max @ 1.4V	■	■	
Frequency stability: ±3.0ppm ±2.5ppm ±2.0ppm ±1.5ppm ±1.0ppm ±0.5ppm	☐ ☐ ☐ ☐ ☐ ☐	☐ ☐ ☐ ☐ ☐ ☐	K J H G F E
Temperature range: 0 to +50°C -10 to +60°C -20 to +70°C -30 to +85°C	☐ ☐ ☐ ☐	☐ ☐ ☐ ☐	R C N W
Storage temperature range: -40 to +85°C	■	■	
Frequency vs supply voltage: ±0.1ppm / V max	■	■	
Ageing: ±1.0ppm max per year	■	■	
Supply voltage (V_{DD}): +5.0V (±5%) +5.0V ~ 13V (±5%)	■ ☐	■ ☐	specify
Supply current: 20mA max (<20.0MHz) 30mA max (20.0~50.0MHz) 50mA max (>50.0MHz)	■ ■ ■	■ ■ ■	
Frequency adjustment: None ±3ppm min by internal trimmer ±5ppm, 2.5V ±2.5V ±5ppm by external potentiometer ±5ppm by variable resistor	■ ☐ ☐ ☐ ☐	■ ☐ ☐ ☐ ☐	N I V P R

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

Ordering Information

Product name + variant + option codes + frequency

eg: **GTXO-420H/JCN 44.7360MHz ±2.5ppm -10 to +60°C**

GTXO-420T/FRI 19.440MHz ±1.0ppm 0 to +50°C

Option code X (eg GTXO-420H/X) denotes a custom spec.