



Scale 1:1

Features

- Wide frequency range
- Compact DIL package
- 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.

	±2.0	±1.5	±1.0	±0.5
-30 to +85°C	HW	GW	-	-
-20 to +70°C	HN	GN	FN	-
-10 to +60°C	HC	GC	FC	-
0 to +50°C	HR	GR	FR	ER

Specifications

GTXO-435H: HCMOS output

GTXO-435T: TTL output

Parameters	Variant		Option Codes
	H	T	
Frequency range: 1.0 ~ 35.0MHz	■	■	
Driving ability: 15pF HCMOS / 2 TTL 50pF HCMOS / 10 TTL	■	■	
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: ±2.0ppm ±1.5ppm ±1.0ppm ±0.5ppm	<input type="checkbox"/>	<input type="checkbox"/>	H G F E
Temperature range: 0 to +50°C -10 to +60°C -20 to +70°C -30 to +85°C	<input type="checkbox"/>	<input type="checkbox"/>	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 (20.0~35.0MHz)	■	■	
Frequency adjustment: None ±3ppm min by internal trimmer ±5ppm, 2.5V ±2.5V ±5ppm by variable resistor	<input type="checkbox"/>	<input type="checkbox"/>	N I V R

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

Ordering Information

Product name + variant + option codes + frequency
 eg: **GTXO-435H/GNN 44.7360MHz** ±1.5ppm -20+70°C, no adjust
GTXO-435T/FRI 19.440MHz ±1.0ppm 0+50°C, internal trimmer
 Option code X (eg GTXO-435H/X) denotes a custom spec.