



Scale 1:1

Features

- ▶ HCMOS / TTL compatible output
- ▶ Frequencies up to 45.0MHz
- ▶ Excellent frequency stability
- ▶ Wide temperature range
- ▶ Low cost for volume production

Standard Frequencies

Frequencies in MHz			
9.60000	13.00000	16.00000	20.00000
10.00000	14.40000	16.38400	40.00000
12.80000	15.36000	19.44000	44.73600

Other frequencies available. Please consult our sales office.

Frequency Stability

The table shows option codes for the available combinations of frequency stability (in ppm) and temperature range.

	±5.0	±3.0	±2.5	±2.0	±1.5	±1.0
-40 to +85°C	LI	-	-	-	-	-
-30 to +75°C	LS	KS	JS	-	-	-
-20 to +70°C	LN	KN	JN	-	-	-
-10 to +60°C	LC	KC	JC	HC	GC	-
0 to +50°C	LR	KR	JR	HR	GR	FR

Specifications

GTXO-536T: Internal trimmer

GTXO-536V: Voltage adjustment + internal trimmer

Parameters	Variant		Option Codes
	T	V	
Package style: GTXO-536T GTXO-536V	■	■	
Frequency range: 1.20 ~ 45.0MHz	■	■	
Frequency tolerance: ±1.0ppm max (<30.0MHz) ±2.0ppm max (≥30.0MHz)	■	■	
Frequency stability: ±5.0ppm ±3.0ppm ±2.5ppm ±2.0ppm ±1.5ppm ±1.0ppm	□ □ ■ □ □ □	□ □ ■ □ □ □	L K J H G F
Temperature range: 0 to +50°C -10 to +60°C -20 to +70°C -30 to +75°C -40 to +85°C	□ □ □ ■ □	□ □ □ ■ □	R C N S I
Storage temperature range: -40 to +85°C	■	■	
Frequency vs supply voltage: ±0.5ppm ($V_{DD} \pm 5\%$)	■	■	
Ageing: ±1.0ppm max first year	■	■	
Supply voltage (V_{DD}): +5.0V (±5%)	■	■	
Supply current: 15mA max (<20.0MHz) 25mA max (20.0 ~ 35.0MHz) 30mA max (≥35.0MHz)	■ ■ ■	■ ■ ■	
Driving ability: 15pF HCMOS / 2 TTL	■	■	
Logic levels: '0' level = 0.4V max '1' level = 90% V_{DD} min	■ ■	■ ■	
Waveform symmetry @ 50%V_{DD}: 40:60 max	■	■	
Frequency adjustment: ±3ppm min by internal trimmer ±8 ~ ±15ppm, +2.5 ±2.0V	■	■	
Phase noise (@ 1.0kHz): -135dBc/Hz max (<12.0MHz) -130dBc/Hz max (12.0 ~ 20.0MHz) -125dBc/Hz max (≥20.0MHz)	■ ■ ■	■ ■ ■	

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

Ordering Information

Product name + variant + option codes + frequency

eg: **GTXO-536V/JS 10.0MHz** ±2.5ppm -30+75°C (standard)

GTXO-536V/KN 10.0MHz ±3.0ppm -20+70°C

Option code X (eg GTXO-536V/X) denotes a custom spec.