



Features

- HCMOS / TTL compatible output**
- Frequencies up to 45.0MHz**

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-546T: Internal trimmer

GTXO-546V: Voltage adjustment + internal trimmer

Parameters	Variant		Option Codes
	T	V	
Package style: GTXO-546T GTXO-546V	■	■	
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} ±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	■	■	
Frequency adjustment: ±3ppm min by internal trimmer ±10 ~ ±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-546V/JS 10.0MHz** ±2.5ppm -30+75°C (standard)

GTXO-546V/HC 10.0MHz ±2.0ppm -10+60°C

Option code X (eg GTXO-546V/X) denotes a custom spec.