

Typical Applications

SDH / SONET
Phase Locking
Digital Switching
Test Equipment

Features

High Stability
Wide Pulling Range
AT-Cut Crystal
Low Phase Noise

Frequency range

60 MHz - 200 MHz

Standard frequencies

139.264; 155.520 MHz

Frequency stabilities

Parameter	Frequency stability	Operating temp range
vs. operating temperature range	< ± 10 ppm	0 ... +70°C
Parameter	Value	Condition
vs. supply voltage change	< ± 2 ppm	@ Vs $\pm 5\%$
vs. load change	< ± 1 ppm	@ Load $\pm 5\%$
vs. aging / 1 ST year	< ± 2 ppm	

Frequency tuning

Parameter	Value	Condition
Electrical frequency control (EFC)	> ± 75 ppm	
Voltage range (V _C)	0.25 to 4.75V	
Pulling slope	positive	

RF output

Parameter	Value	Condition
Signal	Sinewave	
Load	50 $\Omega \pm 5\%$	
Output power	3 dBm ± 3 dB	@ 50 Ω
Sub harmonics	< -45 dBc	

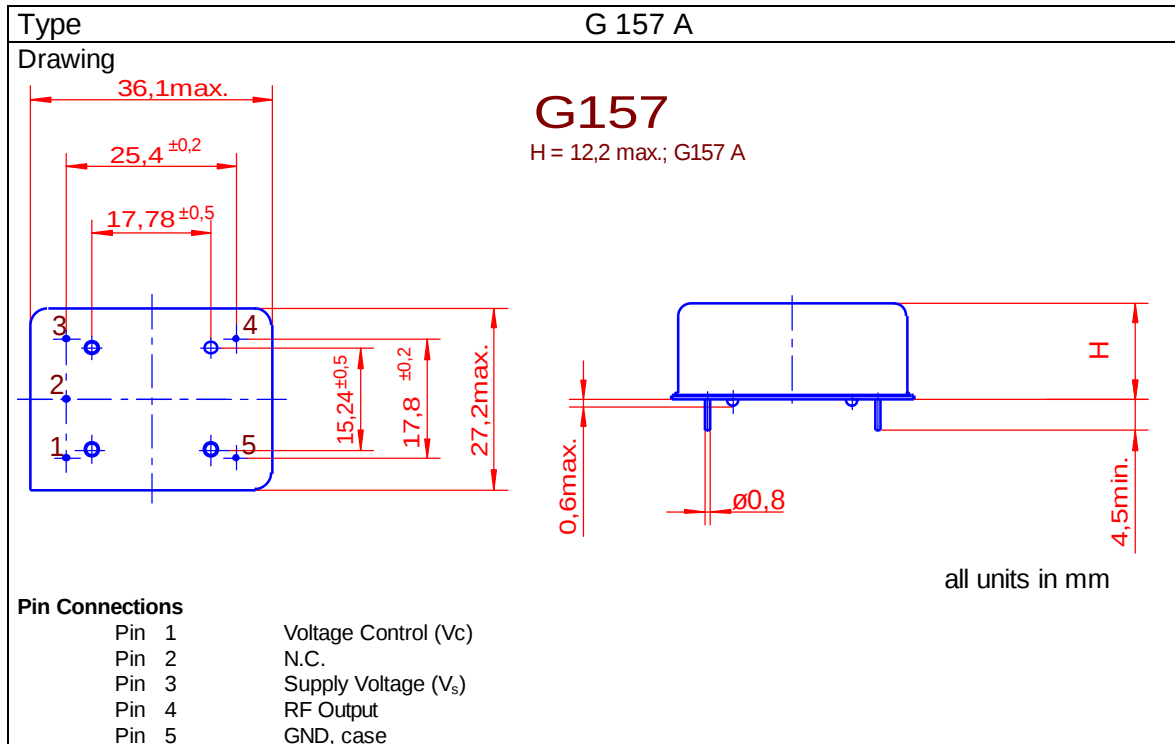
Supply voltage

Parameter	Value	Condition
Supply voltage (V _S)	5.0 V $\pm 5\%$	
Current consumption	< 30 mA	

Additional parameters

Parameter	Value	Condition	
Phase Noise	< -70 dBc	10 Hz	Note 1
	< -100 dBc	100 Hz	
	< -120 dBc	1 kHz	
	< -130 dBc	10 kHz	
	< -135 dBc	100 kHz	
Weight	< 20 g		
Operable temperature range	- 20 ... +80°C		
Storage temperature range	- 55 ... +105°C		
Processing & Packing	handling&processing note		

Enclosure



Example:

Order:

Ordering Code	
Model	Frequency
TQVC200	155M520
TQVC200	

Note

- 1 Typical values @ 155.520 MHz
 Unless otherwise stated all values are valid after warm-up time and refer to typical conditions for supply voltage, frequency control voltage, load, temperature (25°C)
 Subject to technical modification; Not all options and codes are available at all Frequencies