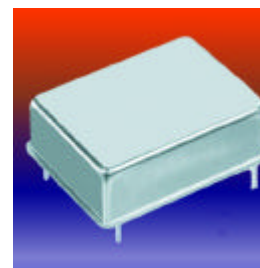


Typical Applications

SDH/SONET
ATM
WLL
Measurement Equipment

Features

Meets **Stratum III** overall stability
EFC
Wide Frequency Range
Standard Package
Very Low Aging



Frequency Range

50MHz – 165MHz

Standard Frequencies

155.52 MHz

Frequency stabilities

Parameter	Frequency stability	Operating temp range
vs. Operating temperature range	$< \pm 0.8$ ppm	-20 ... +70°C
Parameter	Value	Condition
Initial tolerance	$< \pm 1.0$ ppm	@ 25 °C
vs. Supply voltage change	$< \pm 0.1$ ppm	$V_S \pm 5\%$
vs. Load change	$< \pm 0.1$ ppm	Load $\pm 5\%$
vs. Aging / 15 years	$< \pm 2.5$ ppm	
Overall tolerance 15 years	$< \pm 4.6$ ppm	

Frequency tuning

Parameter	Value	Condition
Electrical freq. control (EFC)	$> \pm 5.0$ ppm	Note 1
Voltage range (Vc)	0 to 2.0 V	@ $V_S=5.0$ V
Pulling slope	negativ	
Freq. control input impedance	>10 k Ω	

RF output

Parameter	Value	Condition
Signal	Sinewave	
Load	$50 \Omega \pm 5\%$	
Output power	0 dBm $\pm$ 3dB	@ 50Ω
Subharmonics	< -45 dBc	

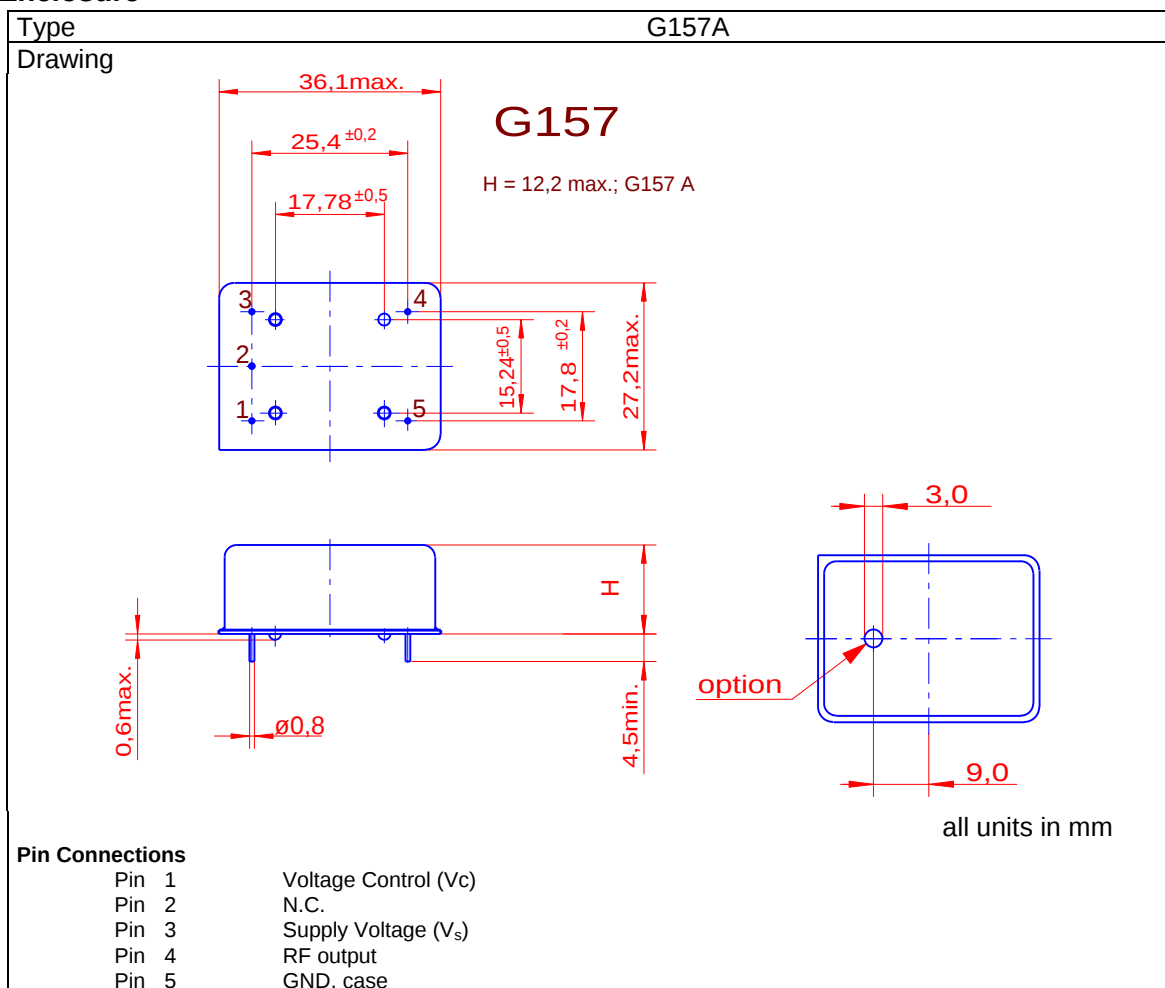
Supply voltage

Parameter	Value	Condition
Supply voltage (V_S)	5.0 V $\pm$ 5%	
Current consumption	< 50 mA	

Additional parameters

Parameter	Value	Condition	
Phase Noise	<- 70 dBc/Hz	10 Hz	Note 2
	<-105 dBc/Hz	100 Hz	
	<-125 dBc/Hz	1 kHz	
	<-130 dBc/Hz	10 kHz	
	<-135 dBc/Hz	100 kHz	
Weight	< 20 g		
Operable temperature range	-30 ... +80°C		
Storage temperature range	-55 ... +105°C		
Processing & Packing	handling&processing note		

Enclosure



	Ordering Code	Frequency
Example:	CCO450	155M520
Order:	CCO450	

Notes

- 1 Others available
 - 2 Typical values @ 155.52 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 are available at all Frequencies