

## QCXO-100-7E-155

### 100MHz, External Reference

Features:  
\* Low phase noise

Applications:  
\* Wireless  
\* Transceiver  
\* Laboratory Test

#### Electrical

Output Frequency:	100MHz
External Reference:	100MHz
Frequency Accuracy:	±0.2ppm max.
Output Power:	7dBm min.
Static Phase Noise:	-100dBc/Hz@10Hz -130dBc/Hz@100Hz -155dBc/Hz@1KHz -165dBc/Hz@10KHz -165dBc/Hz@100KHz
Dynamic Phase Noise:	-85dBc/Hz@100Hz
Harmonic:	-30dBc max.
Spurious:	-70dBc max.
Supply Voltage:	+12V DC
Voltage Control Input	0~+5V
Voltage:	
Voltage Control Range:	±1.5ppm min.
Starting Current:	400mA max.
Working Current:	100mA max.
Temperature Characteristic:	±0.05ppm max. @-40~+70°C
Daily Aging:	±2ppb max.
Annual Aging:	±0.2ppm max.
Short Term Frequency	0.01ppb @1S
Stability:	
Start Time:	5min
Vibration Conditions:	20~80Hz +3dB oct 80~350Hz 0.04g <sup>2</sup> /Hz
Impedance:	100KΩ min.

#### Mechanical

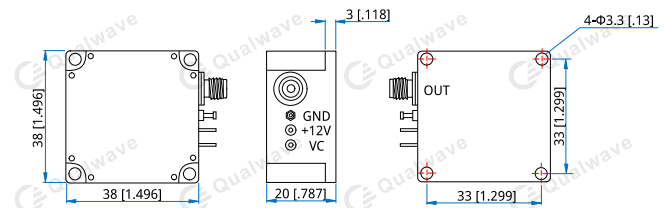
Size*1:	38*38*20mm 1.496*1.496*0.787in
RF Connectors:	SMA Female
Power Supply Connectors:	Feed Through/Terminal Post
Mounting:	4-Φ3.3mm through-hole

[1] Exclude connectors.

#### Environmental

Operating Temperature:	-40~+70°C
Non-operating Temperature:	-55~+105°C

#### Outline Drawings



Unit: mm [in]  
Tolerance: ±0.5mm [±0.02in]

#### How To Order

**QCXO-100-7E-155**

Customization is available upon request.