OUTPUT		
Output	Frequency	Level (into 50Ω)
Α	128 MHz	+13 ±2 dBm
В	2 048 GHz	+13 +2 dBm

STABILITY Aging

 1×10^{-6} first year after 30 days operating, typical 5×10^{-7} second year, typical 3×10^{-7} per year thereafter, typical

Phase Noise L(f), dBc/Hz

	128 MHz	2.048 GHz
10 Hz	-98	-74
100 Hz	-130	-104
1 kHz	-159	-130
10 kHz	-177	-150
100 kHz	-182	-153

Temperature Stability

±5 x 10⁻⁷, 0° to +50°C (Ref +25°C)

Harmonics

≤ -25 dBc

Sub-Harmonics

≤ -60 dBc

Spurious

≤ -80 dBc, excluding power supply line related spurs

MECHANICAL

Dimensions

5.16 x 4 x 1"

Connectors

SMA(f) and solder pins

Packaging

Nickel-plated machined aluminum housing – G3-05

Mounting

Threaded inserts on base, #2-56, 6 places

POWER REQUIREMENTS

Warm-Up Power

≤ 16 Watts for 5 minutes

Total Power

≤ 12 Watts at +25°C

Supply Voltage

+15 VDC ±5%

ADJUSTMENT

Mechanical Tuning

±4 x 10⁻⁶

Electrical Tuning

±5 x 10⁻⁷, ±5 VDC Negative slope

CRYSTAL

Type

128 MHz SC-cut (x16)

Label

Use conventional label with the following information: 501-31165 (Current Rev.) 128M/2.048G GMXO-FR +15 VDC Serial # - Date Code (Mark connectors with function)

Test Data

Output Level
Phase Noise
Temperature Stability
Harmonics, Subs, Spurious
Power – Warm-up and Total
Tuning – MT and ET

REV	DATE	REVISION RECORD	DWN	AUTH
-	09-12-17	Initial Release	CB	

G3-05 Connections

Function

Supply Voltage

Connector



