OUTPUT							
Frequency							
12.0 GHz							
Level							
+16 dBm ±2 dB into 50 ohms							
STABILITY							
Aging							
1 x 10 <sup>-6</sup> first year							
after 30 days operating, typical							
5 x 10 <sup>-7</sup> second year, typical							
3 x 10 <sup>-7</sup> per year thereafter, typical							
Phase Noise L(f), typical							
100 Hz -88 dBc/Hz							
100 dBc/Hz							
10 kHz -135 dBc/Hz 100 kHz -137 dBc/Hz 1 MHz -138 dBc/Hz							
Temperature Stability							
±5 x 10 <sup>-7</sup> , 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)'s and solder pins on side							
Packaging							
Nickel-plated machined							
aluminum housing – G3							
Mounting							
Threaded inserts on base,							
#2-56, 6 places							
POWER REQUIREMENTS							
Warm-Up Power							
≤ 17 Watts for 5 minutes							
Total Power							
≤ 13.5 Watts at +25°C							
Supply Voltage							
+15 VDC ±5%							

N	lechanical Tuning
	±4 x 10 <sup>-6</sup>
E	lectrical Tuning
	±5 x 10 <sup>-7</sup> , ±5 VDC
	Negative slope
C	RYSTAL
T	уре
	120 MHz SC-cut (x100)
_	THER
L	abel
	Use conventional label with the
	following information:
	501-27304 (Current Rev.)
	12 GHz GMXO-FR
	+15 VDC
	Serial # - Date Code
_	(Mark connectors with function est 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
	-	11-01-13	Initial Release	Liz	
	Α	02-06-14	4 Output Level to +16 dBm		
ľ					

G3 Connections
ector Function

Connector

		1 2 3 4	Supply Voltage Ground, Case Electrical Tuning RF Output		
	Frequency Adjust A (Mechanical Tuning	Access g)			
1.00 — 2X 0.69 — 0.50 —		10	<b>⊚</b> 2 <b>©</b>	4	− 0.74 − 2X 0.25
0—	0.38-	1.56 —	2.50 —	4.61—	<b>— 0</b>
4.00 —			<u> А</u> д	F.	— 2X 3.915
	0			0	−2X 2.000
	Threaded In 6 places, 0.1	serts, #2-56, 90" deep			
0-	3x 0.085 <sup>7</sup>			3X 5.075 \\ 5.16 \\	- 2X 0.085

