OUTPUT	
Frequency	
1.5 GHz	
Level	
+13 dBm ±2 dBm 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	
3 v 10 <sup>-7</sup> per year thereafter typical	
Phase Noise L(f)	
100 Hz -105 dBc/Hz	
1 KHz -132 dBc/Hz	
10 KHz -149 dBc/Hz	
100 KHz -150 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	
3.21 x 4 x 1"	
Connectors	
SMA(f) and solder pins	
Packaging	
Nickel-plated machined	
aluminum housing (J2)	
Mounting	
Threaded inserts on base,	
#2-56, 6 places	
POWER REQUIREMENTS	
Warm-Up Power ≤ 11.5 Watts for 5 minutes	
Total Power	
≤ 8 Watts at +25°C	
Supply Voltage	
+15 VDC ±5%	
. 10 100 2070	

**CRYSTAL** Type

**OTHER** Label

100 MHz SC-cut (x15)

following information: 501-29549 (Current Rev.)

1.5 GHz MXO-FR

Serial # - Date Code

Temperature Stability Harmonics, Subs, Spurious Power - Warm-up and Total

Tuning - MT and ET

+15 VDC

Output Level

Phase Noise

**Test Data** 

Use conventional label with the

(Mark connectors with function)

REV	DATE	REVISION RECORD	DWN	AUTH
-	11-11-15	Initial Release	CB	

J2 MXO Connections			
Connector	Function		
1	Supply Voltage		
2	Ground, Case		
3	Electrical Tuning		
4	RF Output		





