OUTDUT
OUTPUT
Frequency
6 GHz
Level
+13 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 -91 dBc/Hz
1 KHz -118 dBc/Hz
10 KHz -135 dBc/Hz
100 KHz -136 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
4.16 x 4 x 1"
Connectors
SMA(f) and solder pins
Packaging
Nickel-plated machined
aluminum housing – J3
Mounting
Threaded inserts on base,
#2-56, 6 places
POWER REQUIREMENTS
Warm-Up Power
≤ 15 Watts for 5 minutes
Total Power
≤ 12 Watts at +25°C
Supply Voltage
+15 VDC ±5%

ADJUSTMENT Mechanical Tuning
±4 x 10 <sup>-6</sup>
Electrical Tuning
±5 x 10 <sup>-7</sup> , ±5 VDC
Negative slope
CRYSTAL
Туре
100 MHz SC-cut (x60)
OTHER
Label
Use conventional label with the following information:
501-25404 (Current Rev.)
6 GHz MXO-FR
+15 VDC
Serial # - Date Code
(Mark connectors with function)
Test Data
Output Level
Phase Noise

(Mark Connectors with function	I
t Data	
Output Level	
Phase Noise	
Temperature Stability	
Harmonics, Subs, Spurious	
Power – Warm-up and Total	
Tuning – MT and ET	
J	

	REV	DATE	REVISION RECORD	DWN	AUTH
	-	01-26-12	Initial Release	PAC	
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J3 MXO Connections		
Connector	Function	
1 2	Supply Voltage Ground, Case	
3	Electrical Tuning	
4	RF Output	



