OUTPUT A Frequency 100 MHz Level +13 dBm ±2 dB into 50 ohms **OUTPUT B** Frequency 1 GHz Level +13 dBm ±2 dB into 50 ohms **STABILITY** Aging 1 x 10⁻⁶ first year after 30 days operating, typical 5 x 10⁻⁷ second year, typical 3 x 10⁻⁷ per year thereafter, typical Phase Noise L(f), dBc/Hz, typical 100 MHz 1 GHz -109 100 Hz -130 1 kHz -158 -136 10 kHz -175 -153 100 kHz -176 -154 **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** 3.21 x 4 x 1" Connectors RF Outputs: SMA(f) Power. ET: Feed Thru Terminals **GND: Ground Turret Packaging** Nickel-plated machined aluminum housing – J2-03 Mounting Threaded inserts on base. #2-56, 6 places

Supply Voltage +15 VDC ±5%

ADJUSTMENT

Mechanical Tuning $\pm 4 \times 10^{-6}$

±5 x 10⁻⁷. ±5 VDC

100 MHz SC-cut (x10)

following information:

100M/1GHz MXO-FR

Serial # - Date Code

- Temperature Stability

- Harmonics, Subs, Spurious

- Power - Warm-up and Total

+15 VDC

- Output Level

- Phase Noise

Test Data

501-25470 (Current Rev.)

Use conventional label with the

(Mark connectors with function)

Negative Slope

Electrical Tuning

CRYSTAL

Type

OTHER

Label

≤ 6.5 Watts at +25°C

	REV	DATE	REVISION RECORD	DWN	AUTH
POWER REQUIREMENTS Warm-Up Power ≤ 9.5 Watts for 5 minutes	-	05-17-12	Initial Release	PAC	
Total Power					

J2-03 MXO Connections		
Connector	Function	
1 2 3 4 8	Supply Voltage Ground, Case Electrical Tuning RF Output B RF Output A	



