OUTPUT A Frequency 100 MHz Level +13 dBm ±2 dB into 50 ohms **OUTPUT B** Frequency 10 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 10 GHz -87 100 Hz -130 -113 1 kHz -158 10 kHz -175 -131 100 kHz -176 -132 **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** 4.16 x 4 x 1" **Connectors** RF Outputs: SMA(f) Power, ET: Feed Thru Terminals **GND: Ground Turret Packaging** Nickel-plated machined aluminum housing - J3-05 Mounting Threaded inserts on base. #2-56, 6 places

POWER REQUIREMENTS Warm-Up Power						
≤ 16 Watts for 5 minutes						
Total Power						
≤ 13 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						
Туре						
100 MHz SC-cut (x100)						
OTHER						
Label						
Use conventional label with the						
following information:						
501-25473 (Current Rev.) 100M/10GHz MXO-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						

	REV	DATE	REVISION RECORD	DWN	AUTH
	-	06-13-12	Initial Release	PAC	
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J3-05 MXO Connections		
Connector	Function	
1 2 3 4 8	Supply Voltage Ground, Case Electrical Tuning RF Output B RF Output A	

1.00





