## **OUTPUT A** Frequency 6 GHz Level +13 dBm ±2 dB into 50 ohms **OUTPUT B** Frequency 12 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), dBc/Hz, typical 6 GHz 12 GHz 100 Hz -91 -85 -111 1 kHz -118 10 kHz -135 -128 100 kHz -136 -129**Temperature Stability** $\pm 5 \times 10^{-7}$ , 0 to $+50^{\circ}$ C (Ref. $+25^{\circ}$ 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 - J3-45 Mounting Threaded inserts on base. #2-56, 6 places

POWER REQUIREMENTS Warm-Up Power	-	04-11-16	Initial Release
< 17 Watte for 5 minutes			

**Total Power** 

Supply Voltage +15 VDC ±5%

**ADJUSTMENT** 

Mechanical Tuning ±4 x 10<sup>-6</sup>

±5 x 10<sup>-7</sup>. ±5 VDC

100 MHz SC-cut (x120)

following information:

Serial # - Date Code

- Temperature Stability

- Harmonics, Subs, Spurious

- Power - Warm-up and Total

6G/12G MXO-FR

- Output Level

- Phase Noise

+15 VDC

**Test Data** 

501-29952 (Current Rev.)

Use conventional label with the

(Mark connectors with function)

**Negative Slope** 

**Electrical Tuning** 

**CRYSTAL** 

Type

**OTHER** 

Label

≤ 13.5 Watts at +25°C

REV

DATE

J3-45 MXO Connections		
Connector	Function	
1 2 3 4 5	Supply Voltage Ground, Case Electrical Tuning RF Output B RF Output A	

REVISION RECORD

DWN

CB

AUTH



