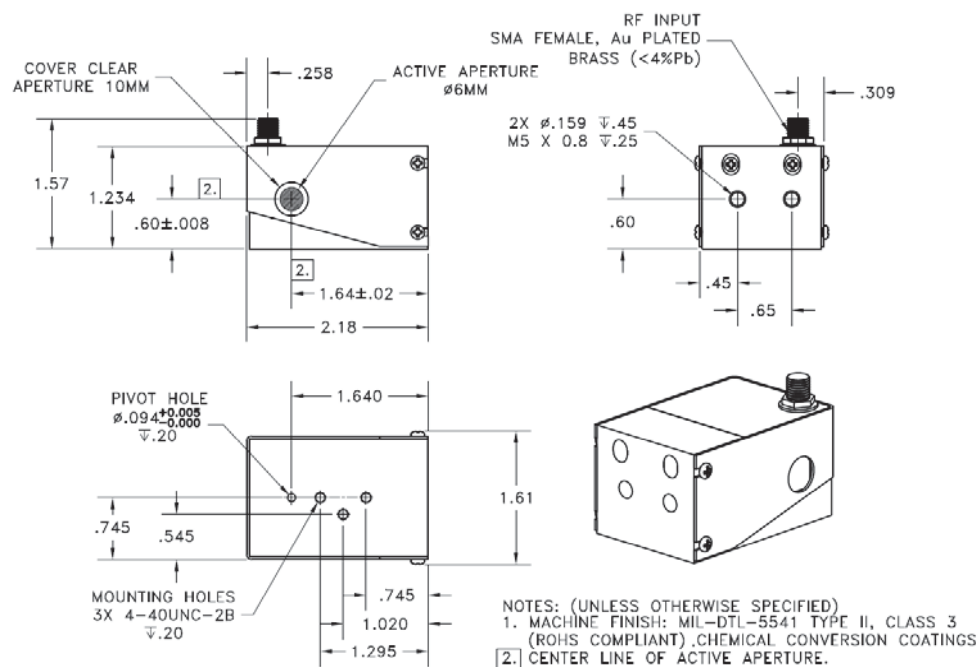


技术参数

声光介质	Crystal Quartz
声波模式	Longitudinal
声速	5.74mm/μs
波长	343-355nm
输入偏振	90° to Mounting Plane, Linear P.E.R.>100:1
输出偏振	90° to Mounting Plane, Linear
插入损耗	1%
中心频率	110+/-5MHz
射频带宽	20 MHz
射频驱动功率	<12W
通光孔径	6 mm dia.
带宽内衍射效率平坦度	
衍射效率	<10%
峰谷值@633 nm	85%
	.1 WAVES
驻波比	2:1
扫描角	1.24 mrad@355nm 1.19mrad@343nm

外观尺寸图



Notes:

1. Input Impedance 50 Ohms.
2. Unit to be water cooled .1 GPM <30C. Water channels Metalast plated Aluminum.
3. Mechanical Outline per 97-03283-01-15.
4. Optical window wedge <1'.
5. VSWR frequency range 95-125MHz.
6. DE=95% with optimized alignment at central frequency, with 110 MHz ±10 MHz, nominal. Central frequency can be shifted ±5 MHz while maintaining the 20 MHz bandwidth to meet DE spec. RF power can be optimized to meet DE spec.
7. Peak to valley wavefront as measured on Zygo GPI system.
8. Aperture defined for -.7dB roll off of efficiency at vertical edges.
9. Total Optical Reflectance <.6%.
10. Bragg angle 3.40mrad@355nm, 3.28mrad@343nm
11. Deflection Angle(110MHz) 6.8mrad@355nm, 6.57mrad @343nm.



Document

07/17/19

Control

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	T. Ng 7/10/2019	
MATERIAL:	CHK		
FINISH:	APP		
	APP		AODF 4110 Quartz 355nm 6mm Aperture
		PART NUMBER: 97-03283-01	REV: C
		SHEET 1 OF 1	