

技术参数

声光介质		TeO ₂
声速		4.2 mm/μs
透光孔径*	2 mm 'L' X	2.5 mm 'H'
中心频率		80 MHz
射频带宽	20 MHz @	-10 dB Return Loss
输入阻抗		50 Ohms Nominal
驻波比		2.0 :1 Max
波长		1064 nm
插入损耗		2 % Max
单表面反射率		.5 % Max
反射膜镀膜标准		MIL-C-48497
光功率密度		
消光比		1000 :1 Min
偏振		Random

波长性能参数

波长(nm)		1064
饱和射频功率 (W)		2.8
布拉格角 (mr)		10.1
光束分离角 (mr)		20.2

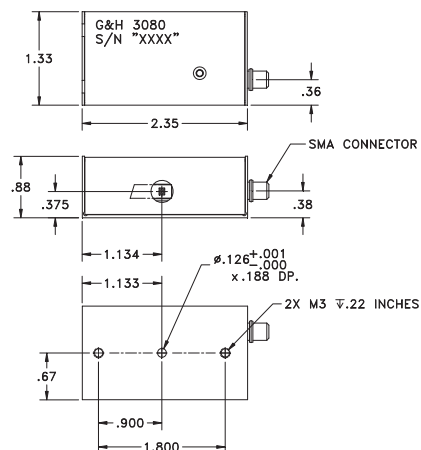
光束直径性能参数

光束直径(μm)		2000
波长(nm)		1064
衍射效率(%)		85
上升时间(ns)		318



*透光孔径：性能指标所适用的孔径范围

外形尺寸图:



Document
07/20/16
Control

Notes:
 Diffraction efficiency is measured with Horizontal polarization
 Device is conduction cooled thru the mounting surface
 Burnin RF Power 3 Watts
 Index of Refraction for material: Ne=2.347, No=2.204
 Crystal length 30.7mm
 MTBF 3500 hours with a 500W laser and a 1.5mm 1/e² beam diameter. Lifetime limited by bulk optical damage.

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	Gerri Scholz 7/14/2016			
MATERIAL:	CHK		DESCRIPTION: AOMO 3080-199 Single channel, 1.064um		
FINISH:	APP		PART NUMBER: 97-03012-01	REV: 5	SHEET 1 OF 1