

技术参数

| | | |
|-------|------------------------------|------------|
| 声光介质 | TeO ₂ | |
| 声速 | 4.2 mm/μs | |
| 通光孔径* | 2.5 mm 'L' X | 0.6 mm 'H' |
| 中心频率 | 165 MHz | |
| 射频带宽 | 50 MHz @ -10 dB Return Loss | |
| 输入阻抗 | 50 Ohms Nominal | |
| 驻波比 | 1.3 :1 Max | |
| 波长 | 1300-1550 nm | |
| 插入损耗 | 4 % Max | |
| 单面反射率 | 1 % Max | |
| 增透膜标准 | MIL-C-48497 | |
| 光功率密度 | 250 W/mm ² | |
| 消光比 | 1000 :1 Min | |
| 偏振 | 0° or 90 ° To Mounting Plane | |

波长性能参数

| | | | |
|------------|-------------|-------------|-------------|
| 波长(nm) | 1064 | 1300 | 1550 |
| 饱和射频功率 (W) | 2.6 | 3.25 | 4.5 |
| 布拉格角 (mr) | 20.9 | 25.5 | 30.5 |
| 光束分离角 (mr) | 41.8 | 51 | 61 |

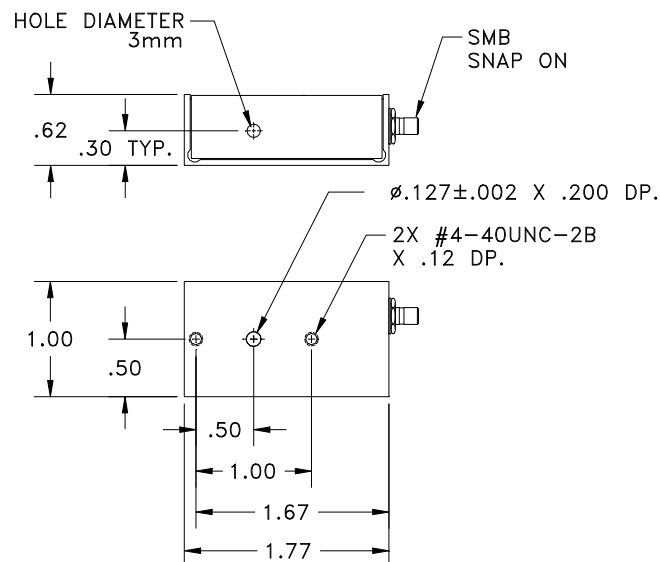
光束直径性能参数

| | | | |
|---------------|------------|------------|------------|
| 光束直径(μm) | 400 | 380 | 380 |
| <i>波长(nm)</i> | 1064 | 1300 | 1550 |
| 衍射效率(%) | 70 | 60 | 50 |
| 上升时间(ns) | 78 | 78 | 81 |
| 调制带宽 | 7 | 7 | 7 |
| | NA | NA | NA |



*通光孔径：性能指标适用的光学孔径范围

外形尺寸图：



Document
10/31/13
Control

Notes:

Diffraction Efficiency refers to performance at 2 W RF Power.
Diffraction Efficiency at Saturation RF power is 65% min.
Carrier Frequency @ 1300 nm: 178 MHz; @ 1550 nm: 150 MHz.

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|---|-----|-----------------------|--|------|--------------|
| TOLERANCES: .XX ± .01 .XXX ± .005 | DR | A. Campi 10/4/2013 | | | |
| MATERIAL: | CHK | | DESCRIPTION: AOMO 3165-1 1.3-1.55 μM, AEF | | |
| FINISH: | APP | | PART NUMBER: | REV: | SHEET 1 OF 1 |
| | APP | | 97-01287-02 | D | |