

AO MODULATOR DATA SHEET

Model 3200-124

Part Number: 97-01544-01

Rev: F

Work Order: 803720

Serial Number: 34621

Cell: GRU -

Date: 4/18/2008

Measured Performance at Wavelength 830 nm
Beam Diameter 153 μ m; RF Power 1.00 W

| Test | Min Spec. | Meas. | Max Spec. |
|----------------------------|-----------|----------|-----------|
| Insertion Efficiency (%) | 97 | 99.3 | |
| Diffraction Efficiency (%) | 70 | 73.0 | |
| Contrast Ratio | 1000 : 1 | 3133 | |
| VSWR at 200 MHz | | 1.02 : 1 | 1.3 : 1 |

DEVICE CHARACTERISTICS:

| | |
|-----------------|-----------------------|
| Polarization | 90 ° To Mounting Base |
| Bragg Angle | 19.8 mr |
| Beam Separation | 39.6 mr |

Center Frequency: 200 MHz

Bandwidth: 50 MHz

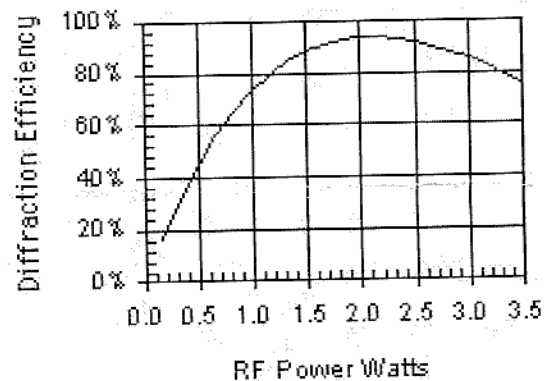
Theoretical Data Curves

Actual Devices May Vary

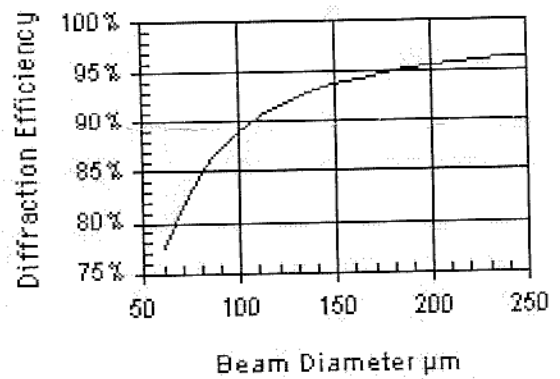
830 nm

Diffraction Efficiency vs RF POWER

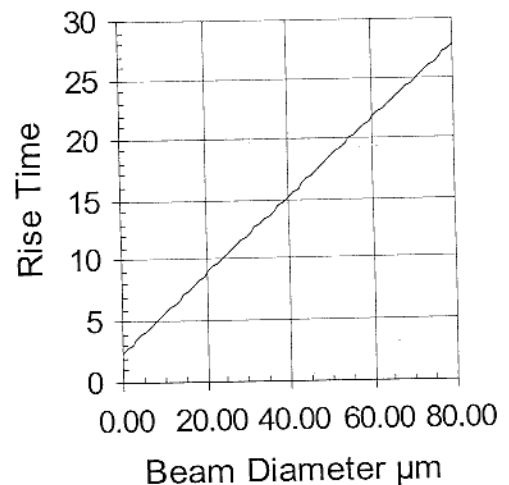
Beam Diameter 153 μ m



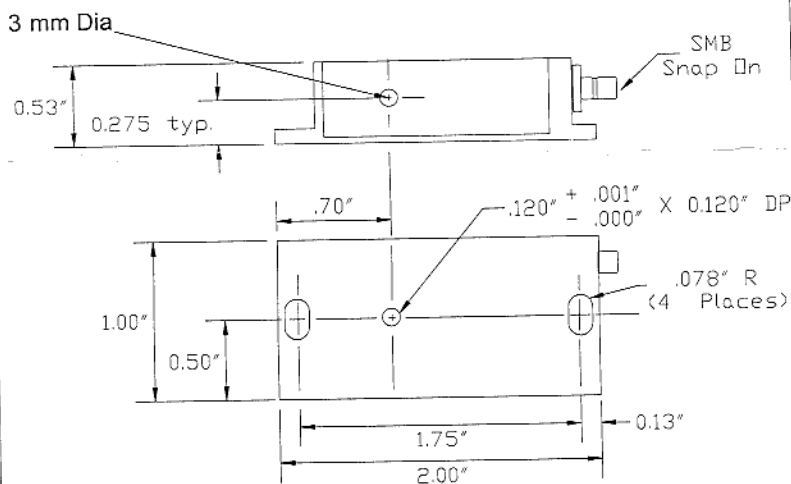
Diffraction Efficiency vs Beam Diameter



Rise Time vs Beam Diameter



Package Drawing



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