

AO MODULATOR DATA SHEET

Model 3080-194

Part Number: 97-02814-01

Rev: B

Work Order: 804400

Serial Number: 14939

Cell: JFC -

Date: 8/14/2008

Measured Performance at Wavelength 1064 nm

Beam Diameter 1100 μm ; RF Power 2.50 W

Test	Min Spec.	Meas.	Max Spec.
Insertion Efficiency (%)	96	99.2	
Diffraction Efficiency (%)	80	87.4	
Contrast Ratio	1000 :1	2540	
VSWR at 80 MHz		1.06 :1	1.3 :1

DEVICE CHARACTERISTICS:

Polarization: 90 ° To Mounting Base
 Bragg Angle: 10.1 mr
 Beam Separation: 20.2 mr

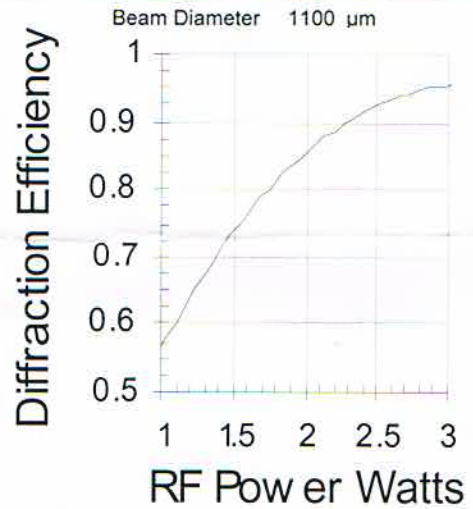
Center Frequency: 80 MHz Bandwidth: 10 MHz

Theoretical Data Curves

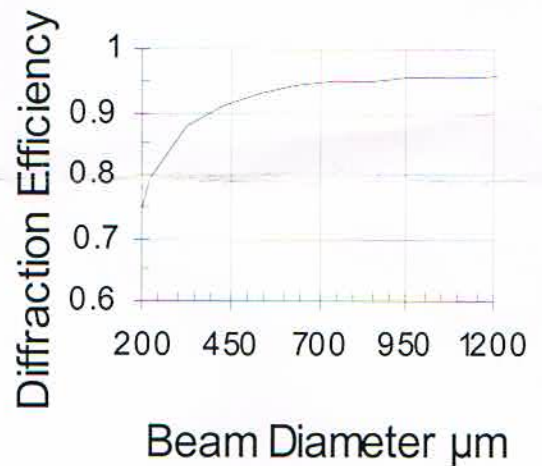
Actual Devices May Vary

1.064

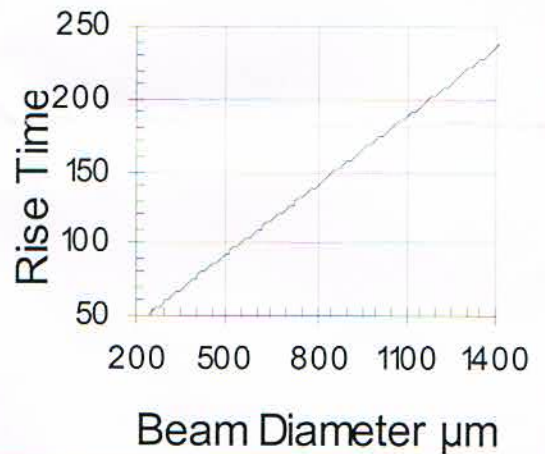
Diffraction Efficiency vs RF POWER



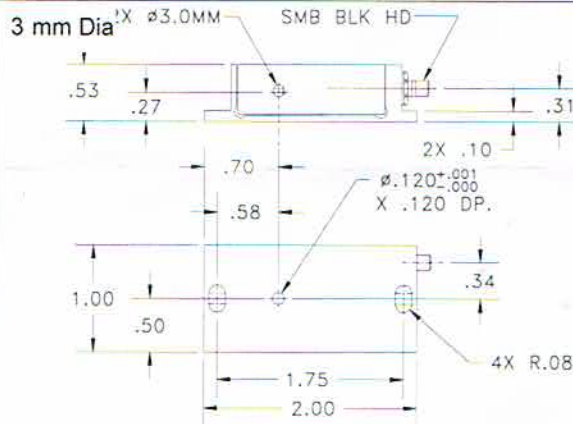
Diffraction Efficiency vs Beam Diameter



Rise Time vs Beam Diameter



Package Drawing



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