

M1208-G13L-8



IR Acousto-Optic Raman Nath Modulator

0622

SPECIFICATIONS

Raman-Nath 13.56MHz acousto-optic modulator designed for high efficiency loss modulation of the zero-order beam.

Standard A/R Spectral Range:

Interaction Medium: Acoustic Velocity:

Centre Frequency (fc): RF Bandwidth (Δ f): Input Impedance: Input VSWR:

Optical Insertion Loss: Reflectivity: Laser Polarization:

Active Aperture:

Water Cooling (minimum): Outline Dimensions: 5 - 6µm

Single Crystal Germanium 5.5mm/µs

13.56MHz 5MHz 50Ω < 1.5:1 at 13.56MHz

< 4% < 0.5%/Surface Linear Horizontal, Parallel to Base

8 mmH x 8 mmL

2 litre/minute at < 20°C (See reverse)

TYPICAL PERFORMANCE

Input beam diameter:

<u>4mm</u>

<u>5.0um</u>

< 34W

0 +/- 2

12.33

Optical access time: Kick Out Efficiency: Optical Power:

Wavelength:

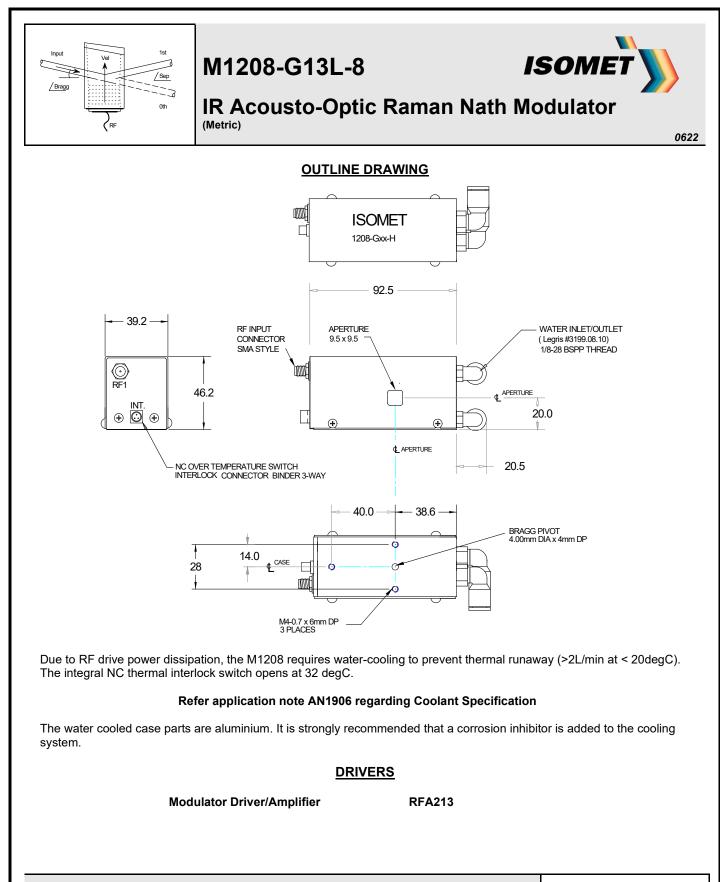
RF Drive Power: Input Angle (mrad): Separation Angle (mrad): 0.47us > 95%, 99% goal 300 Watts (CW) *

<u>6.0um</u>	
< 50W	
0 +/- 2	
14.8	

* For higher powers please contact Isomet

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Quality Assured. In-house: Crystal Growth, Optical Polishing, A/R coating, Vacuum Bonding



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