

1211-UV

UV Acousto-Optic Modulator



1106

SPECIFICATIONS

Operating Wavelength:	330-360nm (singly or combined)
Centre Frequency:	150MHz
RF Bandwidth:	40MHz
Diffraction Efficiency:	>85%
Input Impedance:	50Ω(Nominal)
Input VSWR:	<1.5:1 @ 150MHz
Active Aperture:	2mm (Nominal)
Optical Insertion Loss:	<3% (<2% typical)
Reflectivity:	<0.5%/Surface
DC Contrast Ratio:	>1000:1 min (2000:1 typical)
Laser Polarization:	Vertical, Perpendicular to Base
Water Cooling (Min):	250ml/minute @ 25 deg C
Outline Dimensions:	(See reverse side)

PERFORMANCE vs. WAVELENGTH

Wavelength (nm):	350
RF Drive Power (Watts):	3.0
Bragg Angle (mrad):	4.6
Separation Angle (mrad)	9.2

PERFORMANCE vs. BEAM DIAMETER

Beam Diameter (mm):	2.0	1.5	1.0	.5
Risetime (nsec):	227	170	113	57
Video Bandwidth (MHz):	1.5	2	3	6.1

The 1211 UV has been designed specifically for high beam pointing stability and low dynamic wavefront distortion.

RF Drive Electronics

Digital modulation	524C-3
Analog modulation	534C-3

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

ISOMET CORP, 5263 Port Royal Rd, Springfield, VA 22151, USA.

Tel: (703) 321 8301 Fax: (703) 321 8546

E-mail: ISOMET@ISOMET.COM Web Page: WWW.ISOMET.COM

Quality Assured.

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



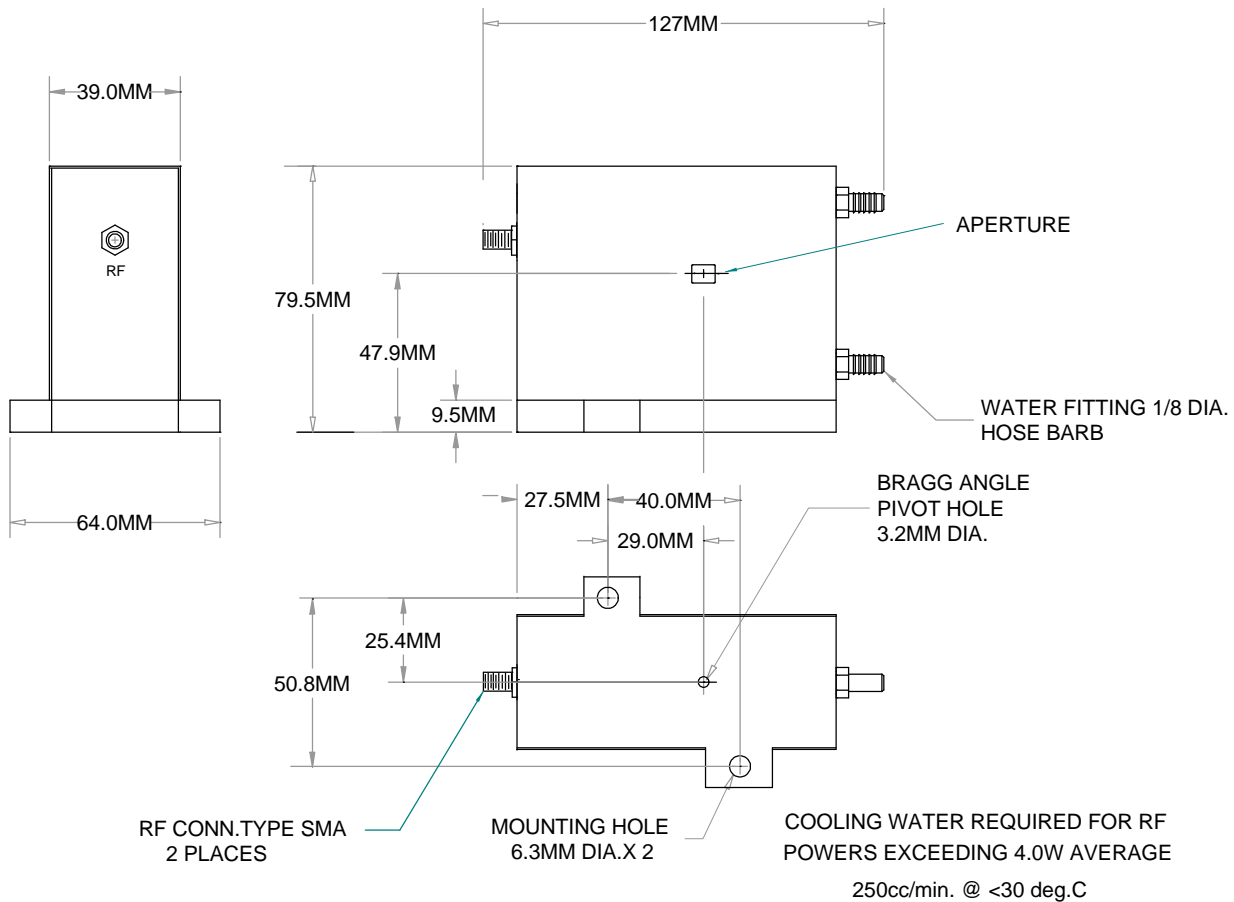
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OUTLINE DRAWING



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