

Document

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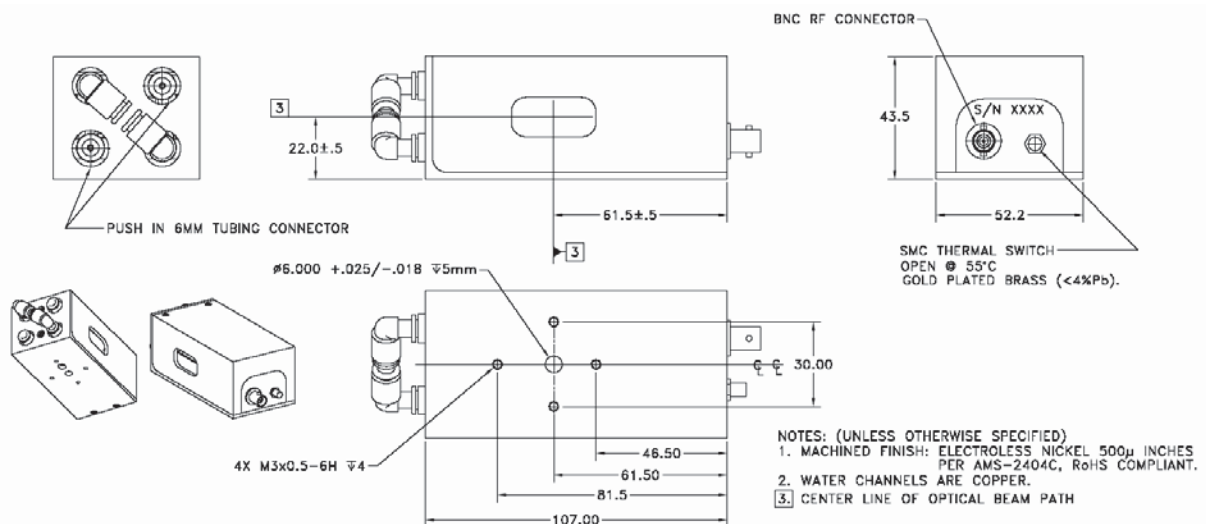
Control



97-03494-01

Rev. 1

Model No:	3041
Device:	AO Modulator
Interaction material:	Germanium
Wavelength:	10.6 μm
Maximum optical power density:	> 15 W/mm ²
AR coating reflectivity:	< 0.2% per surface
AR manufacture:	G&H
Transmission:	> 96.5%
Frequency:	40.68 MHz
Optical polarisation:	Linear, horizontal (parallel to base)
Active aperture:	7 mm
Acoustic mode:	Compressional
Separation angle:	78.4 mrad
Rise-time (10-90%):	120 ns/mm
Diffraction efficiency(90W nominal):	$\geq 85\%$, 90% typical
Maximum RF power:	120 W
Water cooling:	> 1 litre/minute at $\leq 25^\circ\text{C}$ (20°C recommended for optimum beam quality)
Housing Drawing:	97-03464-01-15



Revision No: 2
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As part of our policy of continuous product improvement we reserve the right to change specifications at any time