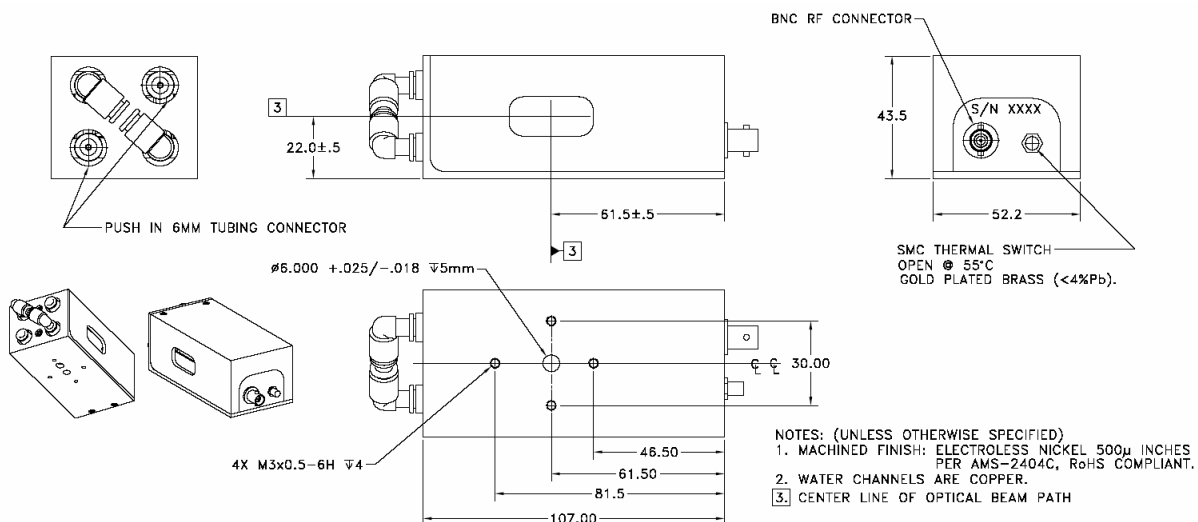


97-03464-01

Rev. 2

Model No:	I-M041-7C11V41-P5-GH77F
Device:	AO Modulator
Interaction material:	Germanium
Wavelength:	9.4 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:	69.5 mrad
Rise-time (10-90%):	120 ns/mm
Diffraction efficiency:	$\geq 85\%$, 90% typical
Maximum RF power:	75 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

Document
11/04/25
Control



Revision No: 2
Date: 10/14/2025

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As part of our policy of continuous product improvement we reserve the right to change specifications at any time