

Model No:	3041
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
Transmission:	> 96.5%
Frequency:	40.68 MHz
Optical polarisation:	Linear, horizontal (parallel to base)
Active aperture:	11.6 mm
Acoustic mode:	Compressional
Separation angle:	78.4 mrad
Rise-time (10-90%):	120 ns/mm
Diffraction efficiency:	$\geq$ 85%, 90% typical
Maximum RF power:	120 W
Water cooling:	> 1 litre/minute at $\leq$ 25°C (20°C recommended for optimum beam quality)
Housing:	97-03454-01-15

