ENABLING PHOTONIC TECHNOLOGIES

Specification: 97-03407-01 Rev 3

Document
08/15/18
Control

Model No:	3041-290
Device:	AO Modulator
Interaction material:	Crystal Quartz
Wavelength:	1030-1064nm
Damage threshold:	>500MW/cm^2,
AR coating reflectivity:	< 0·3% per surface
Transmission:	> 99·4%
Frequency:	40.68MHz
VSWR[1]:	< 1.2:1
Impedance:	50Ω nominal
Optical polarisation:	Linear, vertical to base
Active aperture:	2.5mm
Acoustic mode:	Compressional
Separation angle:	7.6mrad
Rise-time (10-90%):	113ns/mm
Diffraction efficiency:	≥ 80%
Maximum RF power:	20W
Housing:	G&H drawing 97-03407-01-15
Origin:	Fremont, CA

