

Specification: 97-03427-01 Rev B

Model No:	3080
Device:	AO Modulator
Interaction material:	Crystal Quartz
Wavelength:	1030nm
Damage threshold:	1GW/cm ² ,
AR coating reflectivity:	< 0.3% per surface
Transmission:	> 99.4%
Frequency:	80MHz
VSWR ¹ :	< 1.2:1
Impedance:	50Ω nominal
Optical polarization:	Linear, vertical to base
Electrode Height:	3mm
Beam diameter(diffraction limited)	2mm
Acoustic mode:	Compressional
Separation angle:	14.4mrad
Rise-time (10-90%):	113ns/mm
Diffraction efficiency(24W RF nominal):	>90%
Maximum RF power:	25W
Cooling:	Conduction
Housing:	G&H drawing 97-03427-01-15
Operating Temperature:	+20 to +50C
Window parallelism:	<1'
Origin:	Fremont, CA

