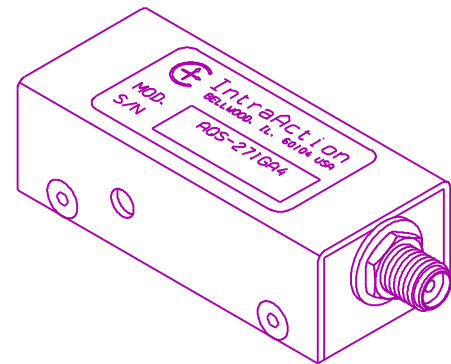


**MODELS AQS-GA4 SERIES
ACOUSTO-OPTIC Q-SWITCH**

- CAVITY LOSS MODULATION
- HIGH OPTICAL POWER CAPABILITY
- HIGH RELIABILITY
- EXCELLENT TEMPERATURE STABILITY
- SMALL SIZE



SPECIFICATIONS

Acousto-optic Material ¹	Dense Flint Glass
Optical Wavelength ²	1.047-1.064 μm
Optical Power Capability	>500 Mwatts/cm ²
Optical Polarization	Any
Static Optical Insertion Loss	0.3 percent
Active Aperture Height ³	1 mm
Optical Rise Time	177 nsec/mm optical beam diameter
Diffraction Loss Efficiency	50 percent
RF Drive Power ⁴	2 watts
Input Impedance/VSWR	50 ohms/1.25
RF Connector	SMA
Size (less connector) ⁵	2.00 D X 0.63 H X 0.90 W inches 5.08 D X 1.60 H X 2.28 W cm

MODEL	<u>AQS-271GA4</u>	<u>AQS-4E1GA4</u>	<u>AQS-801GA4</u>
Acoustic Frequency ⁶	27.12 MHz	40.68 MHz	80 MHz
Beam Separation (1.06 : m)	7.9 mrad	11.9 mrad	23.3 mrad

¹ Fused silica and TeO₂ materials are also available.

² Designs for other optical wavelengths are available.

³ Other active aperture heights are available.

⁴ A complete line of laboratory and OEM drivers are available.

⁵ Smaller OEM housings are available.

⁶ Other acoustic frequencies are available.