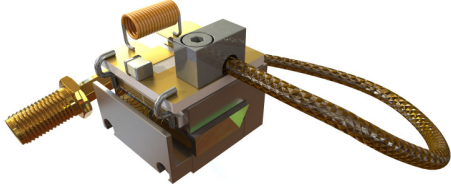


Gooch & Housego



Conduction-cooled Acousto-Optic Q-Switch

I-QS080-1C10H-4-OS14

An ultra-compact conduction-cooled Acousto-Optic Q-Switch, optimised for use at 1319 – 1342nm.

Utilising top grade Crystal Quartz for increased efficiency & thermal stability, with high quality optical finishing & high damage threshold anti-reflection coatings to provide high damage threshold & low insertion loss.

In addition to the specifications indicated, we also offer alternative wavelengths, RF frequencies, active apertures & an extensive range of mechanical housing configurations. We also offer full custom design & manufacturing, enabling our customers to achieve the perfect solution.

Our scientists and engineers are available to assist in selecting the most appropriate model of Q-Switch and also RF driver for your application.

Please contact our sales team for further information.

Key Features:

- 1319-1342nm
- Compact package
- Conduction-cooled
- High damage threshold
- Custom configurations available

Application examples:

- Material processing
- Medical
- Scientific

General Specifications

Interaction material:	Crystal Quartz
Wavelength:	1319 to 1342nm
Damage threshold:	> 500MW/cm ²
AR coating reflectivity:	< 0.2% per surface
Transmission:	> 99.6%
Frequency:	80MHz
Optical polarisation:	Linear, vertical to base
Active aperture:	1.0mm
Acoustic mode:	Compressional
Separation angle:	18.8mrad
Rise-time (10-90%):	113ns/mm
Loss modulation:	≥ 70%
RF power:	10W (max)
Storage temperature:	-20 to +70degC

Ordering Codes

Explanation: I-QS080-1C10H-4-OS14 (Q-Switch, 80MHz, 1.0mm active aperture, compressional mode, Crystal Quartz, 1319/1342nm, SMA female pigtail, OS14 housing).

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