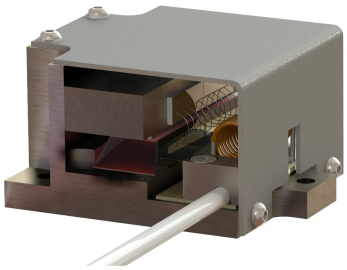
Gooch & Housego



Conduction-cooled Acousto-Optic Q-Switch

I-QS041-2C10V5-4-HC1

An example of our extensive range of custom Q-Switches. This compact device, based on our industry standard conduction-cooled Q-Switch, is optimised for operation at 1900 to 2100nm.

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:

- 1900 to 2100nm
- Compact package
- Conduction-cooled
- High damage threshold
- Custom configurations available

Application examples:

- Material processing
- Medical
- Scientific

Contact: sales@goochandhousego.com www.goochandhousego.com

General Specifications

Interaction material:	Crystal Quartz
Wavelength:	1900 to 2100nm
Optical polarisation:	Linear, vertical to base
AR coating reflectivity:	< 0.5% per surface
Damage threshold:	> 500MWcm^{-2}
Transmission (single pass):	> 99.0%
Optical polarisation:	Linear, vertical to base
RF frequency:	40.68MHz
VSWR:	< 1.2:1
Active aperture:	2.0mm
Rise-time:	113ns/mm
Loss modulation:	> 45%
RF power rating:	20W (max)
Storage temperature:	-20 to +70degC

Ordering Codes

Explanation: I-QS041-2C10V5-4-HC1 (Q-Switch, 41MHz, 2mm active aperture, compressional mode, Crystal Quartz, 1900-2100nm, SMA female pigtail, HC1 housing).

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