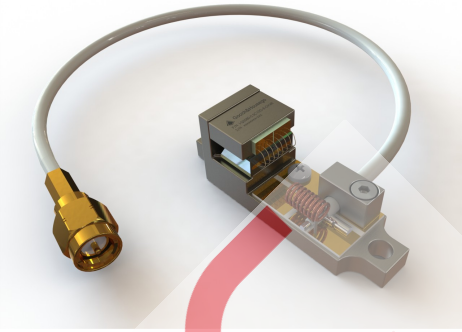
Gooch & Housego



Conduction-cooled Acousto-Optic Q-Switch

I-QS080-0.5C10G-8-GH48

An ultra-compact conduction-cooled Acousto-Optic Q-Switch, ideally suited to short cavity end pumped Nd:YAG & Nd:YVO_4 lasers.

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:

- Compact package
- Conduction-cooled
- High damage threshold
- High efficiency
- Custom configurations available

Application examples:

- Material processing:
  - Marking
  - Engraving
  - Scribing
  - Surface treatment

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

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General Specifications

Interaction material:	**Crystal Quartz**
Wavelength:	1064nm
Damage threshold:	> 1GW/cm^2
AR coating reflectivity:	< 0·2% per surface
Transmission:	> 99·6%
Frequency:	80MHz
Optical polarisation:	Linear, vertical to base
Active aperture:	0.5mm
Acoustic mode:	Compressional
Separation angle:	14.9mrad
Rise-time (10-90%):	113ns/mm
Loss modulation:	≥ 85%
RF power:	10W (max)
Storage temperature:	-20 to +70degC

Ordering Codes

Explanation: I-QS080-0.5C10G-8-GH48 (Q-Switch, 80MHz, 0.5mm active aperture, compressional mode, Crystal Quartz, 1064nm, SMA male pigtail, GH48 housing).

I	-	Q	S	0	8	0	-	0	.	5	C	1	0	G	-	8	-	G	H	4	8