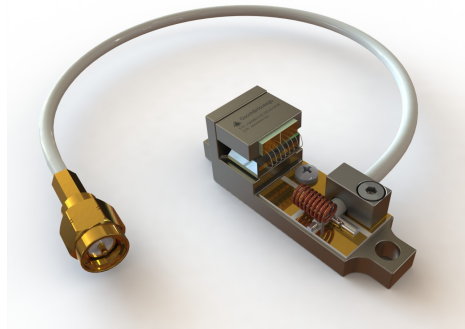


Gooch & Housego



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:YVO₄ 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



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www.amstechnologies-webshop.com



Contact: sales@goochandhousego.com

www.goochandhousego.com

As part of our policy of continuous product improvement we reserve the right to change specifications at any time
IWDS008 V1.0

General Specifications

Interaction material:

Wavelength:
 Damage threshold:
 AR coating reflectivity:
 Transmission:
 Frequency:
 Optical polarisation:
 Active aperture:
 Acoustic mode:
 Separation angle:
 Rise-time (10-90%):
 Loss modulation:
 RF power:
 Storage temperature:

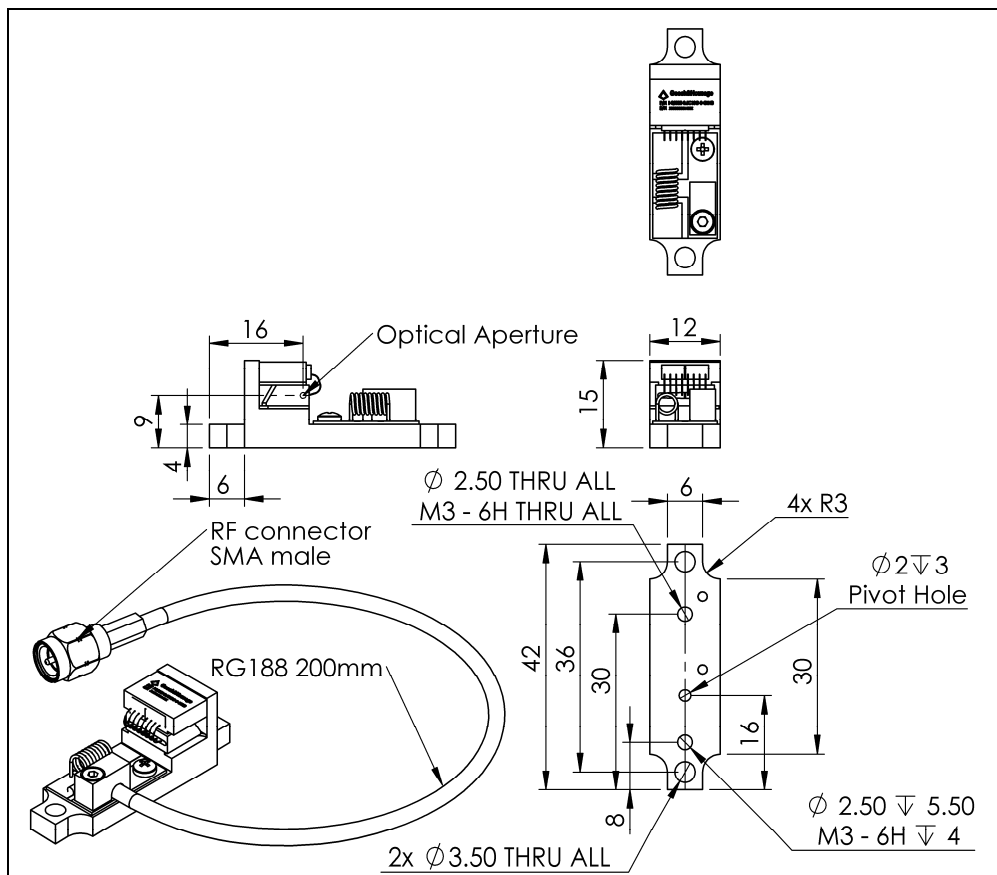
Crystal Quartz

1064nm
 > 1GW/cm²
 < 0.2% per surface
 > 99.6%
 80MHz
 Linear, vertical to base
 0.5mm
 Compressional
 14.9mrad
 113ns/mm
 ≥ 85%
 10W (max)
 -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
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