



# NEOS TECHNOLOGIES

A Gooch & Housego Company

## SPECIFICATION MODEL NUMBER:

# 54035-1.55-.5AS-FO

## DOCUMENT NUMBER: 56A12873B

<u>PARAMETER</u>	<u>SPECIFICATION</u>
Channels	1, 2, 3 or 4
Interaction Material	AMTIR (GeSeAs)
Acoustic Mode	Longitudinal
Operating Wavelength	1520 nm to 1570 nm 1570 nm to 1620 nm available
Window Configuration	AR coated
Operating Frequency	35 MHz
CW Insertion Loss*	2.4 dB max at 1550 nm
CW Insertion Loss Variation Over Operating Wavelength	+/-0.125 db
Insertion Loss Variation Between CW & Modulated Conditions	+/-0.125 db
Back Reflection	-50 dB
Light Polarization	Random
Polarization Dependent Loss Over Operating Wavelength	0.15 db nominal, 0.2 db max
On/Off Extinction Ratio	55 dB
Modulated Extinction Ratio (modulation frequency 125KHz)	40 dB
Rise Time Symmetry	15% app.
Acoustic-optic Delay	1.35 $\mu$ sec $\pm$ .2 $\mu$ sec
Rise Time (10-90%)	100 ns max
Modulation Input	Analog 0-1 Volt into 50 Ohms
Power Input	115/208/240 VAC, 50/60Hz
Connector Type	FC/PC
Fiber	Single mode 9/125
Optional Connectors	FC/APC, SC/PC, SC/APC
Package	53D2044

\* Not including loss at connector interfaces

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