



# NEOS TECHNOLOGIES

A Gooch & Housego Company

## SPECIFICATIONS MODEL NUMBER:

# 54035/34.12-1.55/1.59-.5DS

### DOCUMENT NUMBER: 56A12876B

<u>PARAMETER</u>	<u>SPECIFICATION</u>
Channels	1, 2, 3, or 4 Channels
Interactive Material	AMTIR (GeSeAs)
Acoustic Mode	Longitudinal
Operating Wavelength	C Band: 1520 nm to 1570 nm L Band: 1570 nm to 1620 nm
Window Configuration	AR Coated
Operating Frequency	C Band: 35 MHz L Band: 34.12 MHz
CW Insertion Loss Excluding Connectors	2.4 dB Maximum @ 1550 nm 2.4 dB Maximum @ 1590 nm
Insertion Loss Variation Over Each Band Operating Wavelength	$\pm 0.125$ dB
Insertion Loss Variation Between CW to Modulated	$\pm 0.125$ dB
Back Reflection	-50 dB
CW Extinction Ratio	55 dB
Modulation Extinction Ratio (Modulation Frequency 125KHz)	40 dB
Light Polarization	Random
Polarization Dependent Loss Over Operating Wavelength	0.15 dB nominal 0.2 dB Max.
Rise Time (10 to 90%)	100 ns Maximum
Rise Time Symmetry	15 %
Band Switching Time	150 ns Maximum
Acoustic Optic Delay	$1.35 \mu\text{s} \pm 0.2 \mu\text{s}$
Modulation Input	Analog 0-5 Volts and Digital TTL
Band Control	Digital TTL
Power input	100 to 240 VAC, 50/60 Hz
Connector:	FC/PC
Optional Connector:	FC/APC, SC/PC, SC/APC
Fiber	Single Mode 9/125 Fiber
Package:	53D2246

**For More Information, Contact:**

**neos@neostech.com Ph. (321) 242-7818**

**Fax (321) 242-1019**